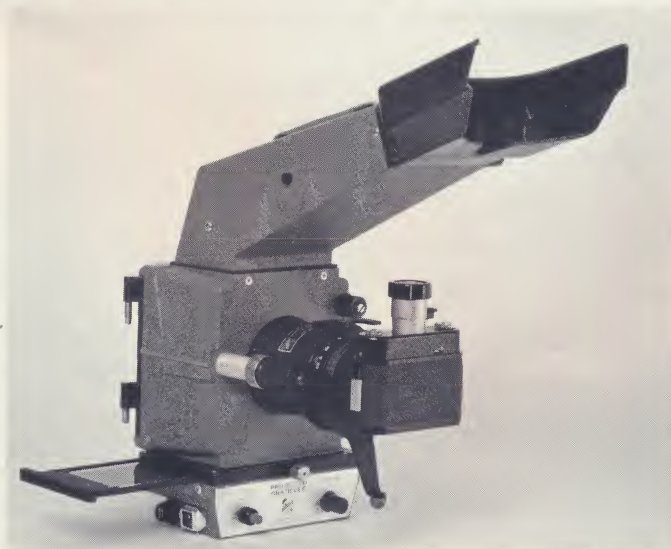
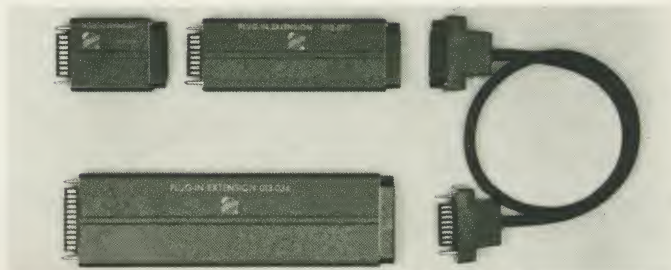
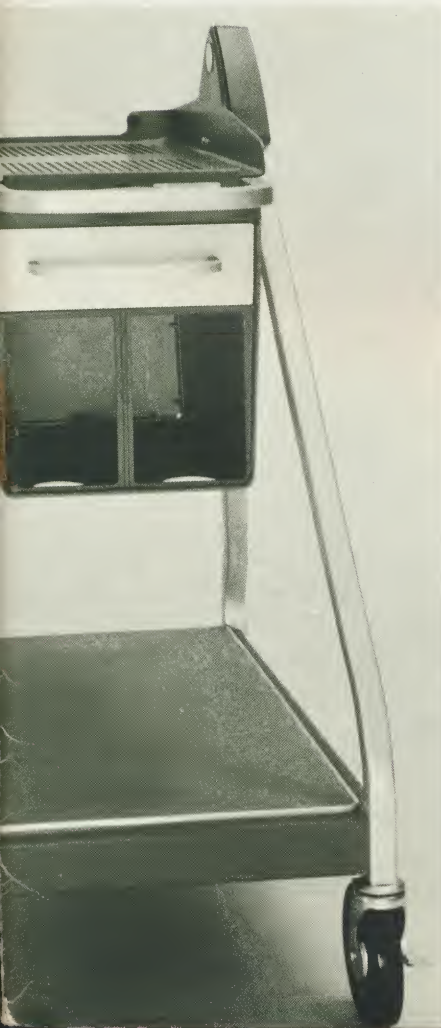
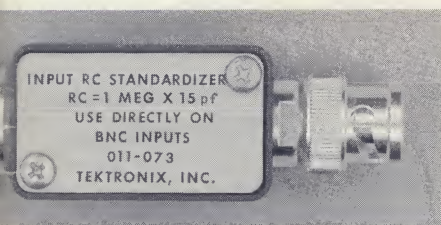
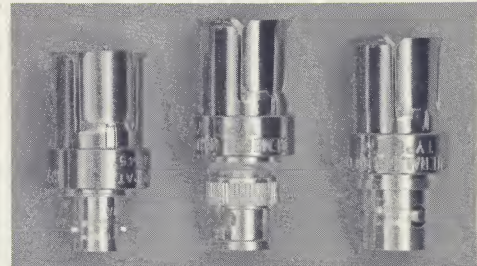
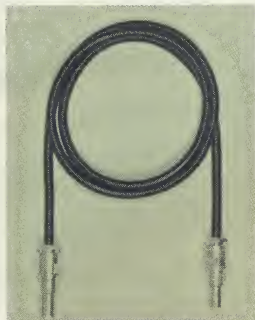
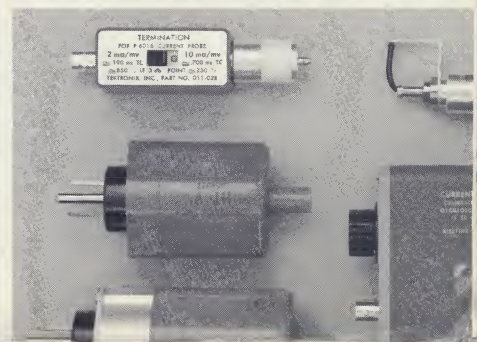


ACCESSORIES



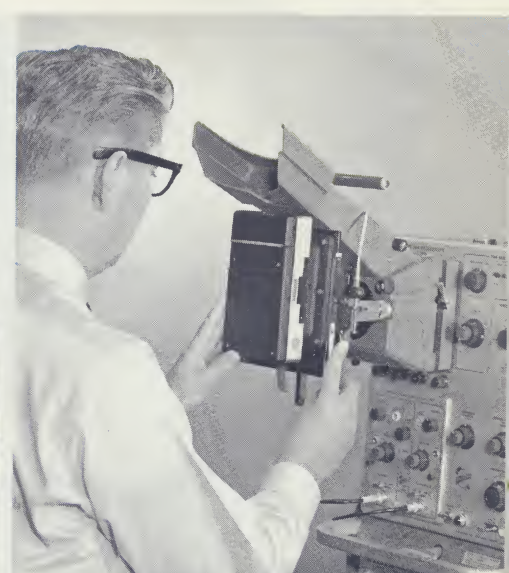
*FOR
TEKTRONIX
OSCILLOSCOPES*



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CAMERAS

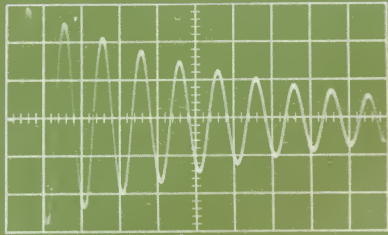


DESIGN FEATURES

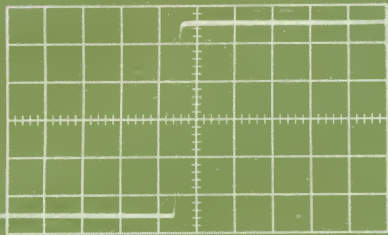
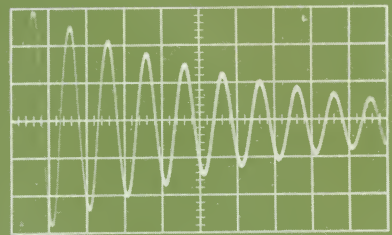
- Lift-On Mounting and Swing-Away Hinging—unrestricted crt viewing for normal oscilloscope operation
- Easily-Accessible Shutter Controls—no groping or camera removal necessary for adjustment
- Comfortable Binocular Viewing—with or without glasses*
- Locking Focus Control—quick adjustment for use on more than one oscilloscope
- Sliding Back—nine positive detent positions for multiple exposures
- Rotating Back—horizontal or vertical mounting for most efficient use of film

*C-13 features hinged viewing aperture in place of viewing hood.

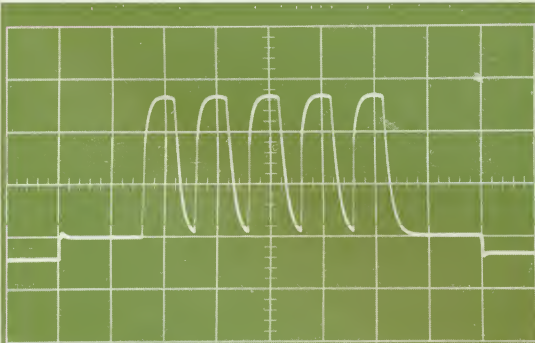
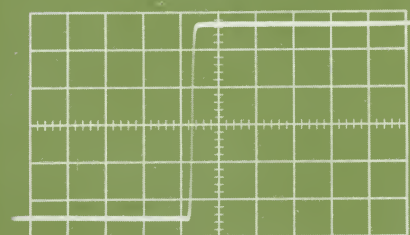




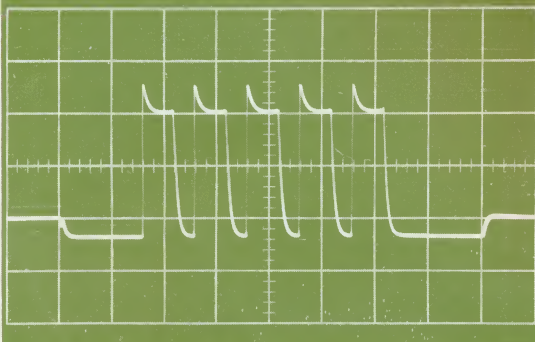
HIGH WRITING RATE— $f/1.9$, 1:0.5 object-to-image ratio . . . for high writing rate applications such as single-shot photography of fast transients . . . recommended for use with Tektronix Type 519 and 580-Series Oscilloscopes . . . WRF* of 6.



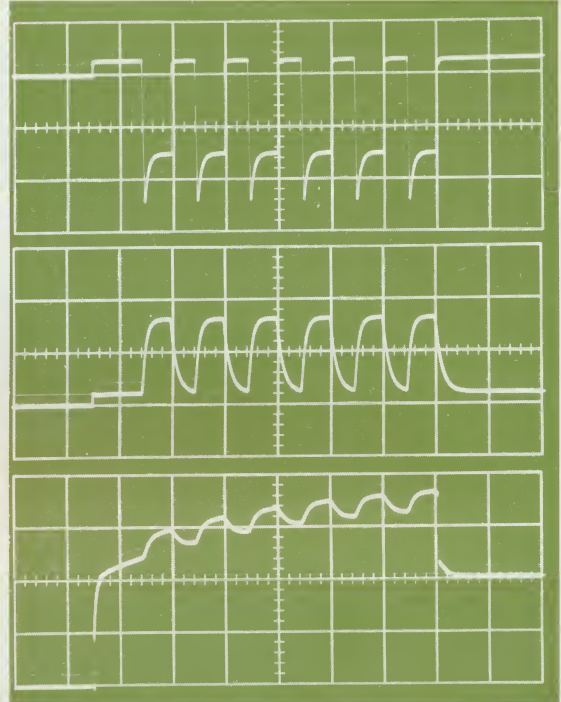
ULTRA-HIGH WRITING RATE— $f/1.3$, 1:0.5 object-to-image ratio . . . for applications where writing rate is the prime consideration . . . advances the state of the art and in combination with the C-19 Main Frame makes possible the recording of higher-speed phenomena than before . . . WRF* of 12.



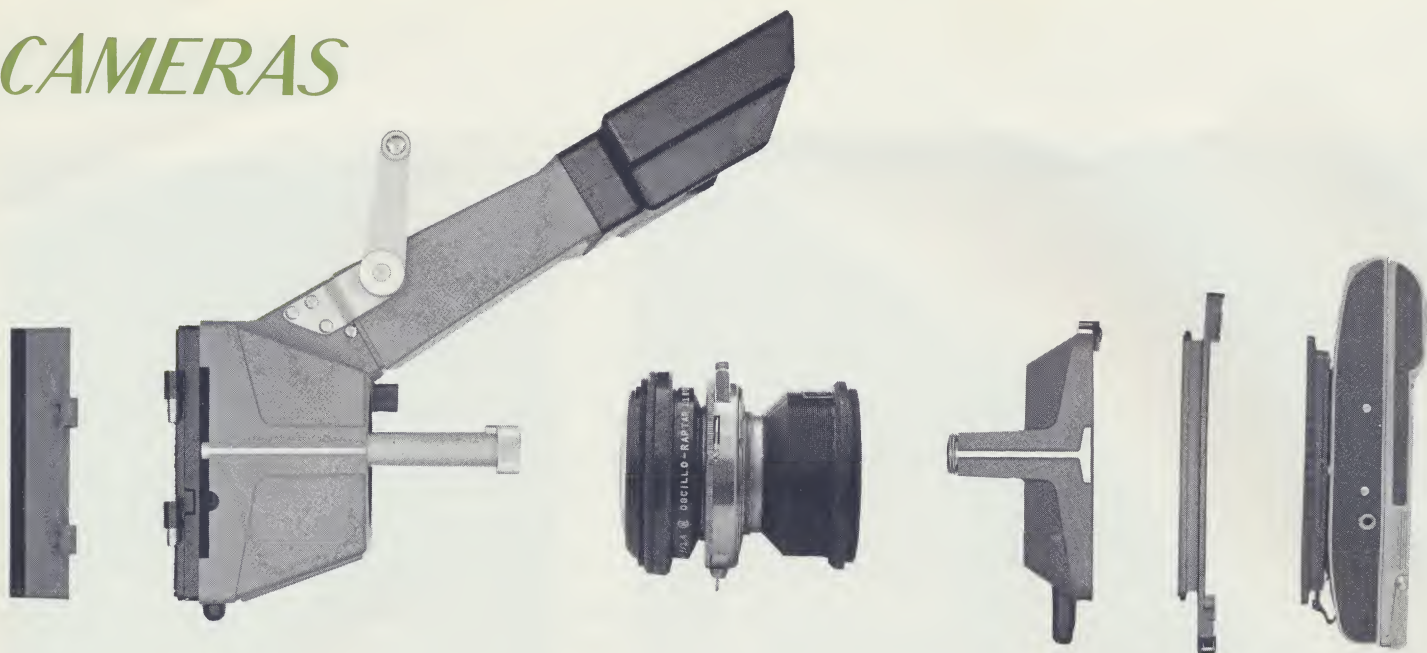
ECONOMY— $f/4.5$, 1:0.7 object-to-image ratio . . . for economy of price and efficient use of film where high writing rate is not required . . . 3 records of 4 x 10-cm graticule, or 2 records of 6 x 10-cm graticule on $3\frac{1}{4}$ x 4 $\frac{1}{4}$ film . . . WRF* of 1.



ECONOMY & SPEED— $f/1.9$, 1:0.7 object-to-image ratio . . . efficient use of film . . . WRF* of 5.

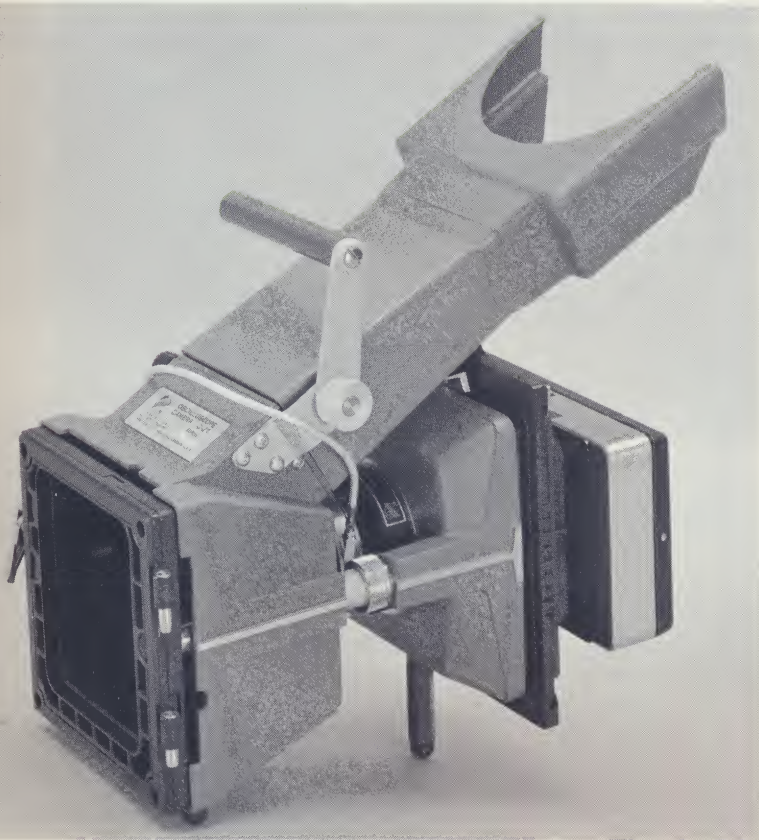


CAMERAS



Tektronix Trace-Recording Cameras are designed for maximum flexibility and easy interchange of components. A complete camera consists of an appropriate mounting bezel, main frame assembly, lens, rear frame, rotating slide adapter, and film back. For 35-mm photography, only a bezel, main frame assembly, and Type 350 Camera Attachment are required. Four Standard Camera Assemblies are described on the following pages. Variations of the standard cameras (using inter-changeable lenses and backs and incorporating a shutter actuator with built-in power supply) are also available as custom cameras. Each component part can be ordered separately for further versatility or for addition to a present Tektronix Trace-Recording Camera. Your nearest Tektronix Field Office or Representative is ready to assist you in your trace-recording needs.

STANDARD C-27 CAMERA



The C-27 Camera combines general-purpose utility and performance in a design compact enough for multiple stacking on 7" Rack-Mount Oscilloscopes.

Direct binocular viewing is featured. For stacking, the viewing tunnel is removed and the carrying handle folded out of the way. The camera frame can be rotated 90° or 180° to view from the top, bottom, or either side. The $f/1.9-1:0.85$ lens supplied with the Standard C-27 offers an ideal compromise of writing rate and image size (8 x 10-cm on $3\frac{1}{4} \times 4\frac{1}{4}$ film or 10 x 10-cm coverage on 4 x 5 film) in a moderately-priced camera.

The Polaroid* Land Pack-Film Back offers convenient loading and picture development outside the camera. Dimensions overall are $13\frac{7}{32}$ " high (only 8" with viewing tunnel removed) by $7\frac{1}{2}$ " wide by $13\frac{11}{32}$ " long (only 12" with viewing tunnel removed). Net weight is 10 pounds. Shipping weight is approximately 14 pounds.

C-27 CAMERA, (less mounting bezel—see page 16) \$420

Each camera includes: 1—cable release (122-586), 1—focus plate (387-893), 2—instruction manuals (070-383).

ROLL-FILM CAMERA identical to the Standard C-27, except a Polaroid Roll-Film Back is substituted for the Pack-Film Back.

C-27-R CAMERA, (less mounting bezel—see page 16) \$420

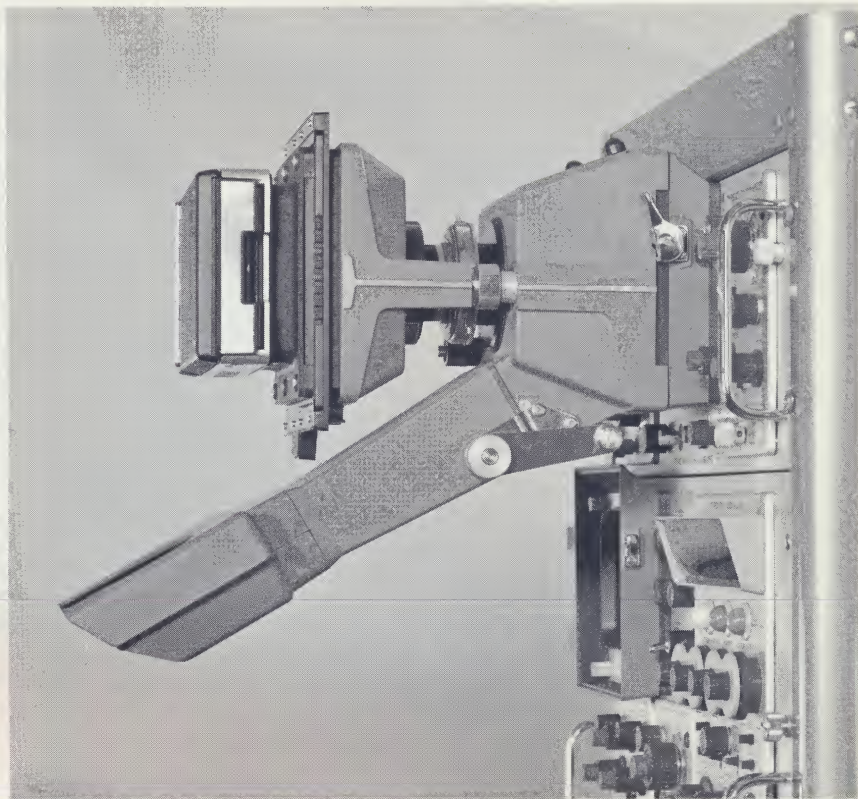
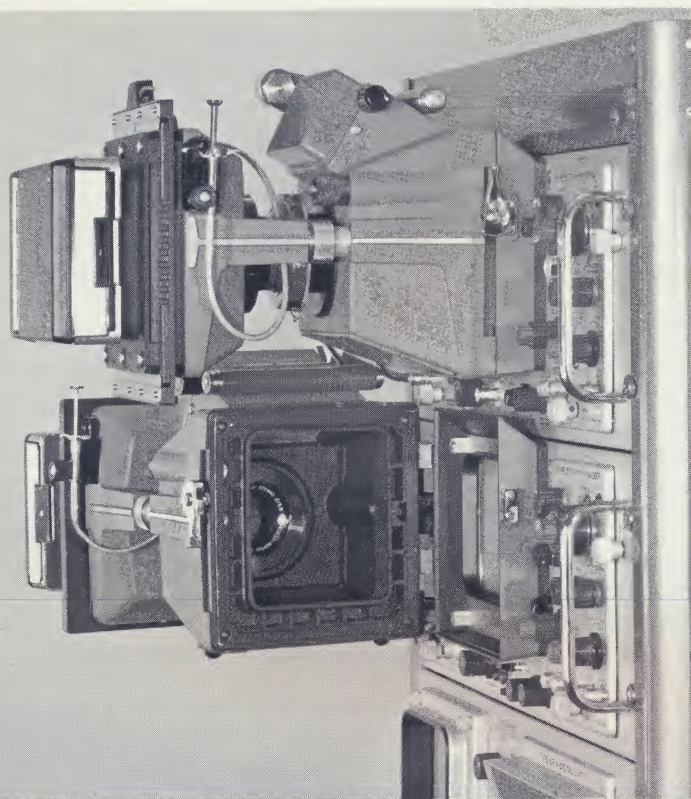
ELECTRICALLY-TRIGGERED CAMERA identical to the Standard C-27, but with a shutter actuator and built-in power supply. (See page 15)

C-27-S CAMERA, (less mounting bezel—see page 16) \$575

ELECTRICALLY-TRIGGERED CAMERA with Roll-Film Back combines features of the C-27-R and C-27-S, above.

C-27-RS CAMERA, (less mounting bezel—see page 16) \$575

* Registered Trade-Mark Polaroid Corporation.

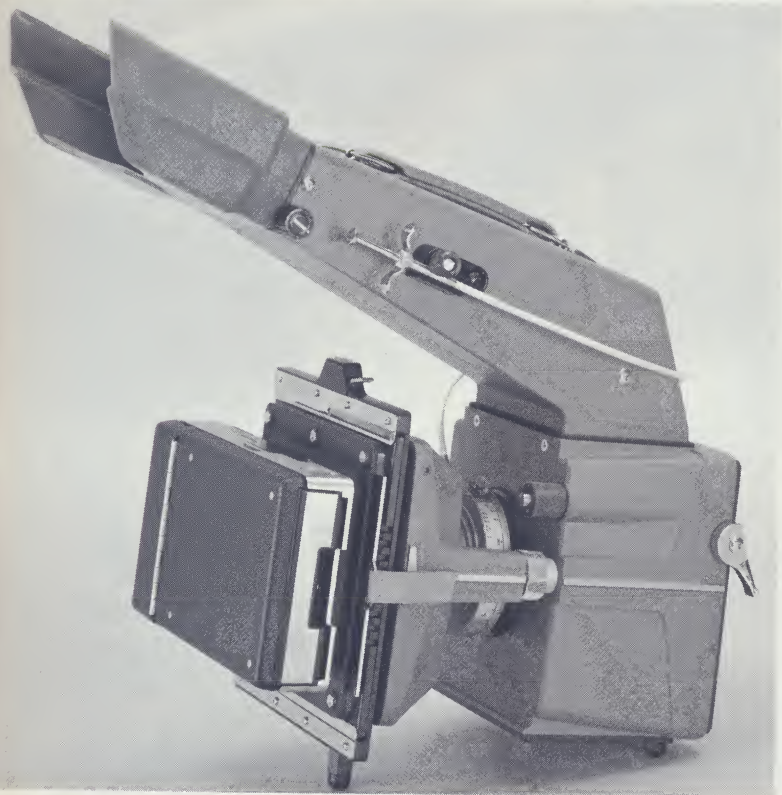


CUSTOM C-27 CAMERAS

LENS (Writing rate factor compared to Standard f/1.9, 1:0.85 lens)	SHUTTER ACTUATOR and BUILT-IN POWER SUPPLY	POLAROID FILM BACK	ORDER NO.	PRICE (less mounting bezel — see page 16)
ECONOMY and SPEED —f/1.9, 1:0.7 Records two 6 x 10-cm or three 4 x 10-cm graticules on 3 1/4 x 4 1/4 film, or one 10 x 10 cm with optional Graflok Back. Writing rate factor 1.25X Standard Lens.	No	Pack Film	C-27-547	\$440
		Roll Film	C-27-547 R	440
	Yes	Pack Film	C-27-547 S	595
		Roll Film	C-27-547 RS	595
GENERAL-PURPOSE —f/1.9, 1:0.9 Records an 8 x 10-cm graticule on 3 1/4 x 4 1/4 film. Writing rate factor same as Standard Lens.	No	Pack Film	C-27-548	420
		Roll Film	C-27-548 R	420
	Yes	Pack Film	C-27-548 S	575
		Roll Film	C-27-548 RS	575
HIGH WRITING RATE —f/1.9, 1:0.5 Records fast-writing displays such as single-shot transients. Writing rate factor 1.5X Standard Lens.	No	Pack Film	C-27-549	460
		Roll Film	C-27-549 R	460
	Yes	Pack Film	C-27-549 S	615
		Roll Film	C-27-549 RS	615
ECONOMY —f/4.5, 1:0.7 Records two 6 x 10-cm or three 4 x 10-cm graticules on each film. Recommended when cost rather than writing rate is the prime consideration. Writing rate factor .25X Standard Lens.	No	Pack Film	C-27-550	365
		Roll Film	C-27-550 R	365
PRECISE FULL-SIZE IMAGE —f/1.4, 1:1 Records full-size image of 10 x 10-cm graticule (on 4 x 5 film with Graflok Back). Writing rate factor 1.75X Standard Lens.	No	Pack Film	C-27-608	535
		Roll Film	C-27-608 R	535
	Yes	Pack Film	C-27-608 S	690
		Roll Film	C-27-608 RS	690
ULTRA-HIGH WRITING RATE —f/1.3, 1:0.5 Records two 6 x 10-cm graticules on each film. Writing rate factor 3X Standard Lens.	No	Pack Film	C-27-662	585
		Roll Film	C-27-662 R	585
	Yes	Pack Film	C-27-662 S	740
		Roll Film	C-27-662 RS	740

Any Tektronix Standard or Custom Trace-Recording Camera can be ordered less back. Use suffix 'G' after the Order Number and deduct \$80 from the price. 4 x 5 and 2 1/4 x 3 1/4 Graflok Backs and accessories are shown on page 17 .

CAMERAS



STANDARD C-12 CAMERA

The C-12 Camera is ideally suited for general-purpose trace recording. A beam-splitting mirror provides the operator with an on-axis binocular view of the crt display, and also allows use of the Projected Graticule accessory (see facing page). The $f/1.9$ — $1:0.9$ lens supplied with the standard C-12 offers the ideal compromise of writing rate and image size (up to 8×10 cm coverage) in a moderately-priced camera. The Polaroid* Land Pack-Film Back offers convenient loading and picture development outside the camera. Dimensions overall $15 \frac{3}{8}$ " high by $7 \frac{1}{2}$ " wide by $17 \frac{1}{4}$ " long. Net weight is $12 \frac{3}{4}$ pounds. Shipping weight is approximately 15 pounds.

C-12 CAMERA, (less mounting bezel—see page 16) . . \$450

Each camera includes: 1—cable release (122-586), 1—focus plate (387-893), 2—instruction manuals (070-383).

ROLL-FILM CAMERA identical to the Standard C-12, except a Polaroid Roll-Film Back is substituted for the Pack-Film Back.

C-12-R CAMERA, (less mounting bezel—see page 16) \$450

ELECTRICALLY-TRIGGERED CAMERA identical to the Standard C-12, but with a shutter actuator and built-in power supply. (See page 15.)

C-12-S CAMERA, (less mounting bezel—see page 16) \$605

ELECTRICALLY-TRIGGERED CAMERA with Roll-Film Back combines features of the C-12-R and C-12-S, above.

C-12-RS CAMERA, (less mounting bezel—see page 16) \$605

CUSTOM C-12 CAMERAS

LENS (Writing rate factor compared to Standard $f/1.9$, $1:0.9$ lens)	SHUTTER ACTUATOR and BUILT-IN POWER SUPPLY	POLAROID FILM BACK	ORDER NO.	PRICE (less mounting bezel—see page 16)
ECONOMY and SPEED — $f/1.9$, $1:0.7$ Records two 6×10 -cm or three 4×10 -cm graticules on each film. Writing rate factor 1.25X Standard Lens.	No	Pack Film Roll Film	C-12-547 C-12-547 R	\$470 470
	Yes	Pack Film Roll Film	C-12-547 S C-12-547 RS	625 625
HIGH WRITING RATE — $f/1.9$, $1:0.5$ Records fast-writing displays such as single-shot transients. Writing rate factor 1.5X Standard Lens.	No	Pack Film Roll Film	C-12-549 C-12-549 R	490 490
	Yes	Pack Film Roll Film	C-12-549 S C-12-549 RS	645 645
ECONOMY — $f/4.5$, $1:0.7$ Records two 6×10 -cm or three 4×10 -cm graticules on each film. Recommended when cost rather than writing rate is the prime consideration. Writing rate factor .25X Standard Lens.	No	Pack Film Roll Film	C-12-550 C-12-550 R	395 395
	Yes	Pack Film Roll Film	C-12-608 C-12-608 R	565 565
PRECISE FULL-SIZE IMAGE — $f/1.4$, $1:1$ Records full-size image of 8×10 -cm graticule (on 4×5 film with Graflok Back). Writing rate factor 1.75X Standard Lens.	No	Pack Film Roll Film	C-12-608 C-12-608 R	565 565
	Yes	Pack Film Roll Film	C-12-608 S C-12-608 RS	720 720
ULTRA-HIGH WRITING RATE — $f/1.3$, $1:0.5$ Compensates for losses in beam-splitting mirror where writing rate is prime consideration. Records two 6×10 -cm graticules on each film. Writing rate factor 3X Standard Lens.	No	Pack Film Roll Film	C-12-662 C-12-662 R	615 615
	Yes	Pack Film Roll Film	C-12-662 S C-12-662 RS	770 770
GENERAL-PURPOSE — $f/1.9$, $1:0.85$ Complete 8×10 -cm graticule is always positioned within exposable area of $3 \frac{1}{4} \times 4 \frac{1}{4}$ film. Writing rate factor same as Standard C-12.	No	Pack Film Roll Film	C-12-692 C-12-692 R	450 450
	Yes	Pack Film Roll Film	C-12-692 S C-12-692 RS	605 605

Any Tektronix Standard or Custom Trace-Recording Camera can be ordered less back. Use suffix 'G' after the Order Number and deduct \$80 from the price. 4×5 and $2 \frac{1}{4} \times 3 \frac{1}{4}$ Graflok Backs and accessories are shown on page 17.

PROJECTED GRATICULE for the C-12 Camera

The Projected Graticule eliminates parallax, one of the most common problems in making accurate readings of oscillographs taken of external graticule crt's.

Parallax is the apparent displacement of the trace in relation to the graticule. Error is introduced since the graticule and crt phosphor are on different planes.

To eliminate parallax, a virtual image of the graticule is presented at the crt phosphor plane as viewed by the operator and as projected to the camera film plane.

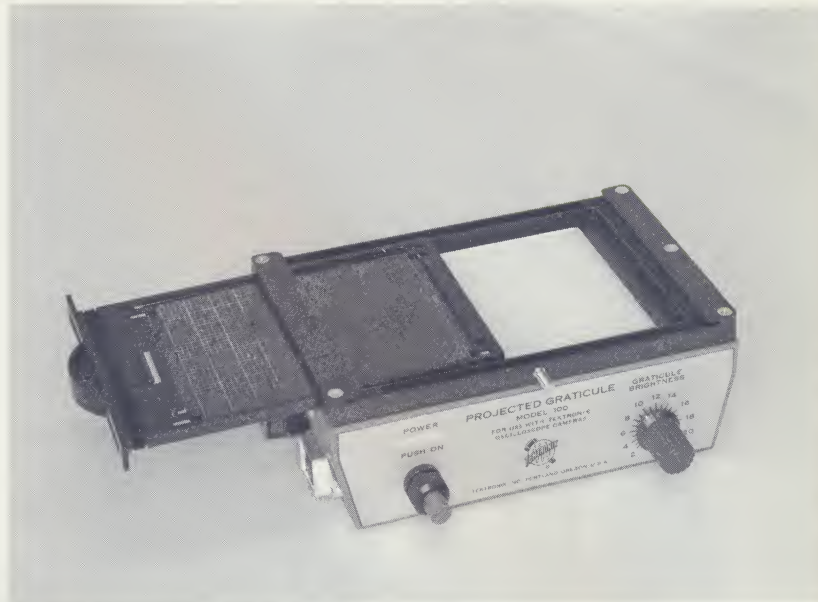
Special graticules, reference waveforms, or any image that can be recorded on a film transparency, can be superimposed on the crt display. The transparency is held in a slide holder and is easily slipped in and out of the Projected Graticule case, making possible rapid change of graticule slides.

The projected graticule provides up to an 8 x 10-cm projection, a portion of which can be used for write-in data. Colored filters can be inserted to match or contrast the projection with the crt phosphor.

The light source is indexed in $\frac{1}{2}$ f stop increments for use as a film exposure guide. This source can also be used for precise prefogging of film for increased sensitivity in fast writing-rate applications.

Power requirements are 90 to 130 v, or 180 to 260 v, 60 cps.

Although the Projected Graticule case is small (it adds only $2\frac{1}{4}$ " to camera height), clearance problems exist with the Type 81 Adapter and a few plug-in unit/probe combinations. If in doubt about compatibility, please consult your Tektronix Field Office or Representative.



PROJECTED GRATICULE (016-204)\$160

Includes: 1—power cord (161-015), 1—3 to 2-wire adapter (103-013), 1—graticule film, 4 x 10 cm with write-in area and short minor lines (331-117), 1—graticule film, 6 x 10 cm with write-in area and short minor lines (331-111), 1—graticule film, 8 x 10 cm without write-in area, but with full minor lines (331-119), 1—graticule mask, 4 x 10 cm (331-118), 1—graticule mask, 6 x 10 cm (331-116), 1—instruction manual (070-402).

OPTIONAL GRATICULE FILMS and MASKS .. \$0.85 each

				6 x 10 cm Mask 331-116
331-126	331-123	331-137	331-122	
				4 x 10 cm Mask 331-118
331-119	331-131	331-117	331-136	
				10 x 10 div Mask (for Type 570, 575, 536) 331-129
331-130	331-124	331-120	331-127	
331-111	331-125	331-121	331-128	

GRATICULE SLIDES
\$3 each
Amber Window
122-669
Blue Window
122-667
Green Window
122-668

CAMERAS

STANDARD C-13 CAMERA

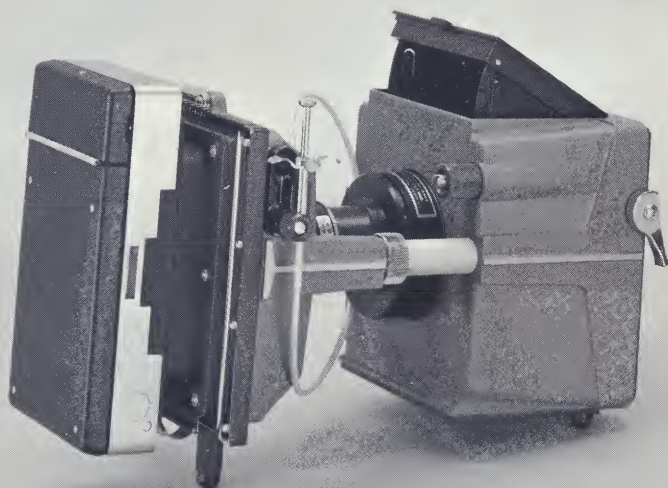
The C-13 Camera combines quality and economy where high writing rate is not required. Displays are viewed directly through a hinged aperture in the top of the camera frame. The $f/4.5-1:0.7$ lens supplied with the Standard C-13 offers economy of price and efficient use of film with up to 8×10 cm coverage. The Polaroid* Land Pack-Film Back offers convenient loading and picture development outside the camera. Dimensions overall are $8\frac{3}{4}$ " high by $7\frac{1}{2}$ " wide by 14" long. Net weight is $9\frac{3}{4}$ pounds. Shipping weight is approximately 14 pounds.

C-13 CAMERA, (less mounting bezel—see page 16) . . \$360

Each camera includes: 1—cable release (122-586), 1—focus plate (387-893), 2—instruction manuals (070-383).

ROLL-FILM CAMERA identical to the Standard C-13, except a Polaroid Land Roll-Film Back is substituted for the Pack-Film Back.

C-13-R CAMERA, (less mounting bezel—see page 16) \$360



CUSTOM C-13 CAMERAS

LENS (Writing rate factor compared to Standard $f/4.5, 1:0.7$ lens)	SHUTTER ACTUATOR and BUILT-IN POWER SUPPLY	POLAROID LAND FILM BACK	ORDER NO.	PRICE (less mounting bezel — see page 16)
GENERAL-PURPOSE— $f/1.9, 1:0.9$ Records an 8×10 -cm graticule on $3\frac{1}{4} \times 4\frac{1}{4}$ film. Writing rate factor 4X Standard Lens.	No	Pack Film	C-13-548	\$415
	Yes	Roll Film	C-13-548 R	415
PRECISE FULL-SIZE IMAGE— $f/1.4, 1:1$ Records full-size image of 8×10 -cm graticule (on 4×5 film with Graflok Back). Writing rate factor 7X Standard Lens.	No	Pack Film	C-13-608	530
	Yes	Roll Film	C-13-608 R	530
GENERAL-PURPOSE— $f/1.9, 1:0.85$ Insures complete coverage of 8×10 -cm graticule on $3\frac{1}{4} \times 4\frac{1}{4}$ film. Writing rate factor 4X Standard Lens.	No	Pack Film	C-13-692	415
	Yes	Roll Film	C-13-692 R	415
		Pack Film	C-13-692 S	570
		Roll Film	C-13-692 RS	570

Any Tektronix Standard or Custom Trace-Recording Camera can be ordered less back. Use suffix 'G' after the Order Number and deduct \$80 from the price. 4×5 and $2\frac{1}{4} \times 3\frac{1}{4}$ Graflok Backs and accessories are shown on page 17.

STANDARD C-19 CAMERA

The C-19 Camera makes permanent records of single-shot phenomena where high writing rate is required. Mirror placement provides low-angle binocular viewing and maximum light transmission from crt to film. The f/1.9—1:0.5 lens supplied with the Standard C-19 records two 6 x 10-cm displays or an 8 x 10-cm display on 3 1/4 x 4 1/4 film. The Polaroid* Land Pack-Film Back offers convenient loading and picture development outside the camera. Dimensions overall are 15 3/8" high by 7 1/2" wide by 17 1/4" long. Net weight is 13 3/4 pounds. Shipping weight is approximately 18 pounds.

C-19 CAMERA, (less mounting bezel—see page 16) . . \$500

Each camera includes: 1—cable release (122-586), 1—focus plate (387-893), 2—instruction manuals (070-383).

ROLL-FILM CAMERA identical to the Standard C-19, except a Polaroid Roll-Film Back is substituted for the Pack-Film Back. C-19-R CAMERA, (less mounting bezel—see page 16) \$500

ELECTRICALLY-TRIGGERED CAMERA identical to the Standard C-19, but with a shutter actuator and built-in power supply. (See page 15).

C-19-S CAMERA, (less mounting bezel—see page 16) \$655

ELECTRICALLY-TRIGGERED CAMERA with Roll-Film Back combines features of the C-19-R and C-19-S, above.

C-19-RS CAMERA, (less mounting bezel—see page 16) \$655

CUSTOM C-19 CAMERAS

LENS (Writing rate factor compared to Standard f/1.9, 1:0.5 lens)	SHUTTER ACTUATOR and BUILT-IN POWER SUPPLY	POLAROID LAND FILM BACK	ORDER NO.	PRICE (less mounting bezel — see page 16)
GENERAL-PURPOSE —f/1.9, 1:0.9 Records on 8 x 10-cm graticule on 3 1/4 x 4 1/4 film. Writing rate factor .67X Standard Lens.	No	Pack Film Roll Film	C-19-548 C-19-548 R	\$460 460
	Yes	Pack Film Roll Film	C-19-548 S C-19-548 RS	615 615
PRECISE FULL-SIZE IMAGE —f/1.4, 1:1 Records full-size image of 8 x 10-cm graticule (on 4 x 5 film with Graflok Back). Writing rate factor 1.12X Standard Lens.	No	Pack Film Roll Film	C-19-608 C-19-608 R	575 575
	Yes	Pack Film Roll Film	C-19-608 S C-19-608 RS	730 730
GENERAL-PURPOSE —f/1.9, 1:0.85 Insures complete coverage of 8 x 10-cm graticule on 3 1/4 x 4 1/4 film. Writing rate factor .67X Standard Lens.	No	Pack Film Roll Film	C-19-692 C-19-692 R	460 460
	Yes	Pack Film Roll Film	C-19-692 S C-19-692 RS	615 615

Any Tektronix Standard or Custom Trace-Recording Camera can be ordered less back. Use suffix 'G' after the Order Number and deduct \$80 from the price. 4 x 5 and 2 1/4 x 3 1/4 Graflok Backs and accessories are shown on page 17.

CAMERAS

35-MM ATTACHMENT FOR ALL TEKTRONIX CAMERAS

The Type 350 Camera Attachment consists of a 35-mm film-back and shutter, integral f/1.9 lens with 1:0.2 object-to-image ratio, and mounting hardware to fit a C-12, C-13, C-19 or C-27 Main Frame Assembly. Shown with a C-13 Camera frame.

The "automatic" advance feature of the Type 350 Camera Attachment allows a rapid sequence of exposures with no interruption to manually advance the film to each new frame. The spring motor automatically advances the film one frame each time the shutter trigger is depressed and released. Up to 4 exposures per second can be made using the Model 2 Shutter Actuator.

Shutter speeds are 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500, and Bulb. Time exposures are obtained using the Model 2 Shutter Actuator in its 'holding' mode, or locking the cable release with shutter set at B.

Calibrated lens apertures are f/1.9, f/2.8, f/4, f/5.6, f/8, f/11, and f/16. The object-to-image ratio for this lens is 1:0.2, thus its writing rate factor is approximately 1.8X the f/1.9, 1:0.9 lens. With appropriate film processes, the Type 350 Camera Attachment is well suited for photographing fast single-sweep displays.

Standard 35-mm cassettes with either 20 or 36-exposures can be used. The Type 350 takes approximately 30 exposures on a 20-exposure roll, or 55 exposures on a 36-exposure roll. Each exposure is 23.2 x 23.6 mm. Viewing area when mounted in slides is 22 x 22 mm. 10 x 10-cm graticules can be photographed in conjunction with the C-27 Main Frame Assembly (8 x 10 cm with all others).

Net weight is 3 1/4 pounds. Shipping weight is approximately 7 pounds.

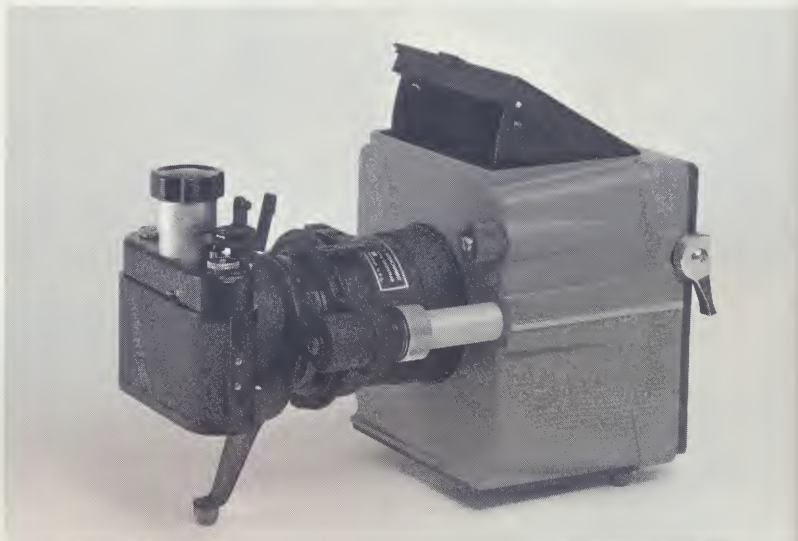
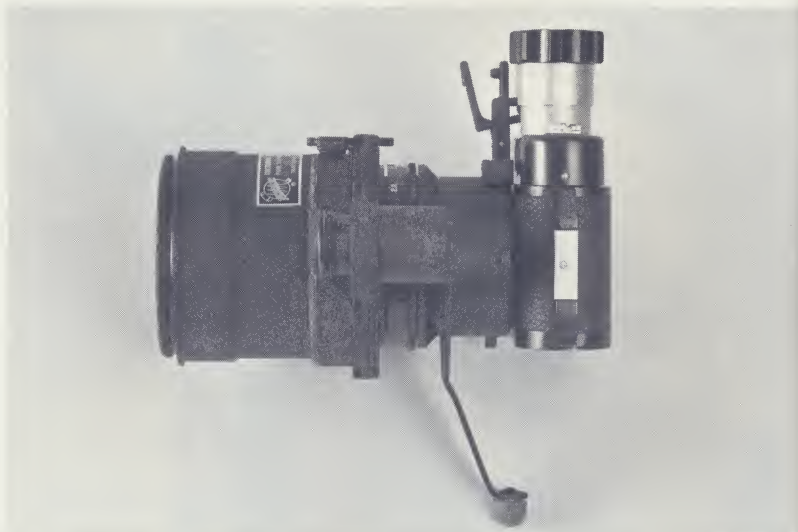
TYPE 350 CAMERA ATTACHMENT \$400

Includes: 1—focus magnifier (122-640), 1—take-up spool (122-663), 1—instruction manual (070-396).

COMPLETE 35-MM CAMERAS

These cameras include the Type 350 Attachment and appropriate Main Frame Assembly. Mounting bezels must be ordered separately from page 16.

TYPE 350/C-12	\$555
TYPE 350/C-13, illustrated	520
TYPE 350/C-19	565
TYPE 350/C-27	525



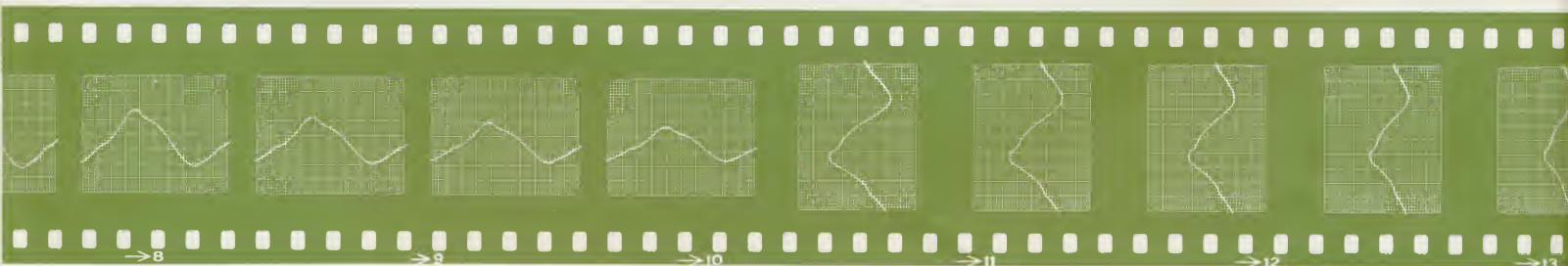
OPTIONAL 35-MM ACCESSORIES

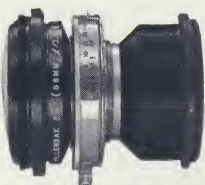
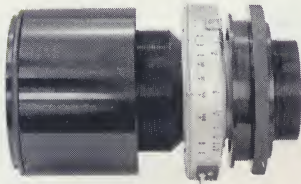
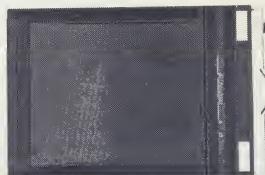
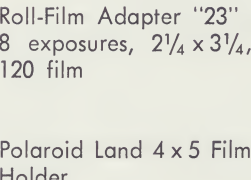
The NR cassette is a light-tight cassette which can be used in place of the standard take-up spool. With the NR cassette it is not necessary to rewind the film after the last exposure. This cassette is especially useful when it is desired to take a small number of pictures and remove them from the camera for immediate processing.

PART NUMBER 016-222 \$5.95

The TR cassette is used for bulk loading, when a great deal of 35-mm film is used, or for films that are only available in bulk.

PART NUMBER 016-221 \$5.95



INTERCHANGEABLE LENSES	REAR FRAMES	INTERCHANGEABLE FILM BACKS	ACCESSORIES FOR GRAFLOK BACKS
 f/1.4—1:1 Precise full-size Image Alphax No. 3 Shutter Part No. 122-608 ... \$275  f/1.3—1:0.5 Ultra-High Writing Rate Ilex No. 3X Shutter Part No. 122-662 ... \$325  f/1.9—1:0.85 General Purpose Alphax & Ilex No. 3X Shutter Part No. 122-692 ... \$160	 Standard Frame (not needed with Type 350) Part No. 122-591 .. \$45  Power Supply Frame for Model 2 Shutter Actua- tor (not used with Type 350) Part No. 016-231 . \$125	 Polaroid Land 3 1/4 x 4 1/4 Roll-Film Back, 8 exp. Part No. 122-603 . \$ 75 Focus Plate for above. Part No. 387-460 . \$ 5 Polaroid Land 3 1/4 x 4 1/4 Pack-Film Back, 8 exp. Part No. 122-671 . \$ 75 Focus Plate for above. Part No. 387-893 . \$5.35 (Focus Plates not needed if Graflok Back is avail- able.) 	<i>Readily available from local camera shops.</i>  Cut-Film Holder 2 exposures  Film-Pack Adapter 12 exposures  Film Magazine 6 exposures
	ROTATING SLIDE ADAPTER  Adapts Polaroid or Graflok Back to rear frame. Part No. 122-602 .. \$25	4 x 5 Graflok Back with Focusing Screen accepts standard cut-film hold- ers, film-pack adapters, roll-film (120) adapters, Polaroid 4 x 5 Film Hold- er. Part No. 122-604 .. \$45 2 1/4 x 3 1/4 Graflok Back with Focusing Screen ac- cepts standard cut-film holders, film-pack adapt- ers, roll-film (120) adapt- ers. Part No. 016-233 . \$ 45	 Roll-Film Adapter "22" 12 exposures, 2 1/4 x 2 1/4, 120 film  Roll-Film Adapter "23" 8 exposures, 2 1/4 x 3 1/4, 120 film Polaroid Land 4 x 5 Film Holder.

ACCESSORIES

SCOPE-MOBILE® CARTS

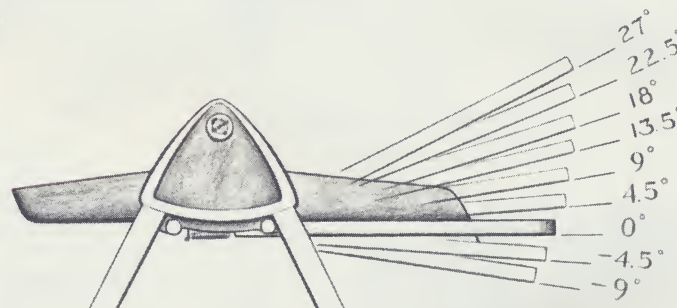
TYPE 200 SERIES



Five models comprise the Type 200-Series Scope-Mobile® Carts featuring tilt locking in one of nine tray positions. These tilt-lock models include the Types 201-1, 201-2, 202-1, 202-2, and 205-1. The three models ending with -1 have a storage drawer for holding accessory items. The two models ending with -2 have a storage drawer and a plug-in carrier for housing a pair of plug-in units. All tilt-lock models come equipped with front-wheel brakes.

CHARACTERISTICS

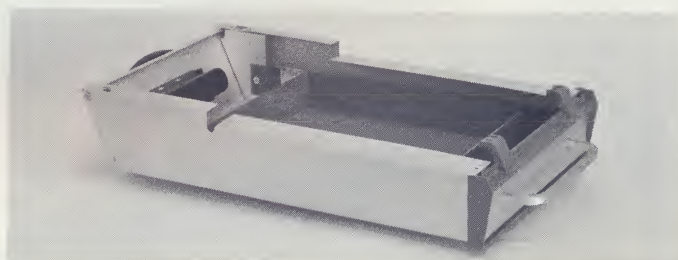
ADJUSTABLE TRAY tilt-locks in either of six 4.5° steps in the upward direction or two 4.5° steps in the downward direction from the horizontal axis.



MECHANICAL FEATURES include aluminum construction, 5-inch rubber wheels with front wheel brakes, and linoleum-topped steel shelf at the bottom.

OVERALL DIMENSIONS are approximately 36" high by 17½" wide by 28" deep for the 201-1, -2 and the 202-1, -2; 36" high by 22" wide by 28" deep for the 205-1.

Either the storage drawer or the storage drawer and plug-in carrier combination can be ordered separately to modernize older 200-Series Scope-Mobile® Carts.



014-012 drawer for 201-1	\$40
014-013 drawer/plug-in carrier combination for 201-2	45
014-014 drawer for 202-1	40
014-015 drawer/plug-in carrier combination for 202-2 ...	45

MODEL	DRAWER	PLUG-IN CARRIER	TRAY WIDTH	TRAY DESIGNED FOR TEK-TRONIX OSCILLOSCOPE TYPE	NET WEIGHT	PRICE
201-1	YES	NO	10½"	503, 504, 506, 515A,	38 lbs.	\$120.00
201-2		2, 3 and 9 Series	10½"	516, 561, 561A, 564		130.00
202-1		NO	14¾"	519		155.00
MOD 52		NO	14"	502A*, 507, 517, 517A, 530, 540,		120.00
202-1		1 and Letter Series	14"	550, 580 Series; 570, 575, 661.	43 lbs.	130.00
202-2		NO	17¾"	565, 567, AND ALL RACK-MOUNT INSTRUMENTS		135.00
205-1						
* Requires special adapter, part no. 436-033 \$ 2.40						

ACCESSORIES

TYPE 500 SERIES

The Type 500A (without plug-in carrier but with blank front panel) and the Type 500/53A (with plug-in carrier factory installed) Scope-Mobile® Carts comprise the Type 500 Series. These carts come equipped with front wheel brakes. Four wheel brakes can be ordered at additional cost.

Convenient feature of the Type 500A is the compartment for housing auxiliary equipment mounted behind the blank front panel. This compartment is 8 1/2" high by 13 3/4" wide for the first 5 1/2" of depth tapering from this point, at a 20° angle, to a minimum height of 2 1/2" at a depth of 19 1/2".

An available fan kit provides ventilation for the equipment compartment.



CHARACTERISTICS

STATIONARY TRAY slants upward at a 20° angle.

TRAY WIDTH is 13 3/4 inches.

STORAGE DRAWER is felt-lined and slides on nylon guides, provides handy storage for accessory items, such as probes, cables, and manuals.

NET WEIGHT is approximately 35 pounds.

Type		Price
500A	without plug-in carrier	\$ 99.50
500A Export*	without plug-in carrier	99.50
500/53A	with plug-in carrier	110.00
500/53A Export*	with plug-in carrier	110.00
*Modified for export packaging		

FOUR WHEEL BRAKES

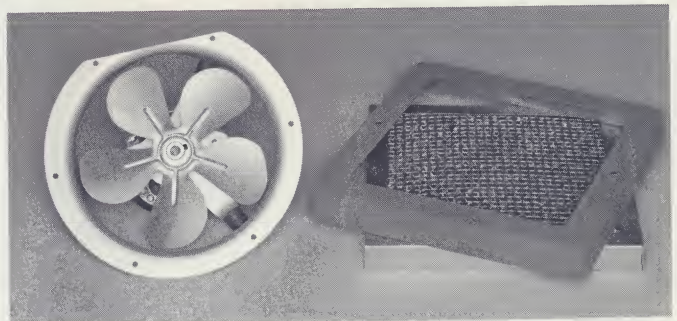
TYPE 500A MOD 741B	\$114.50
TYPE 500/53A MOD 741B	125.00

PLUG-IN CARRIER

(can be ordered separately)

This carrier replaces the blank panel on the Type 500A and provides storage space for two letter or 80-series plug-in units. Order Part Number 014-005\$10.50

FAN KIT



This fan kit provides forced-air ventilation for the instruments housed in the equipment compartment. The kit contains a motor, 5-inch blade, filter, and necessary mounting hardware. Order Part Number 040-161 \$15

SPECIAL TRAYS

Special trays furnish a secure positioning mount for Tektronix Oscilloscopes smaller in size than those for which the Scope-Mobile® Cart was intended.

Oscilloscopes	Part Number	Price
502A	436-019	\$8.75
503, 504, 515A, 516, 561A, 564	436-058	9.75

ACCESSORIES

PROBE-INSTRUMENT COMPATIBILITY CHART

	CT-1, P6040	CT-2, P6041	CT-3,	P6016	P6038	P6034 P6035	P6026	P6027 P6028	P6023	P6013 P6015	P6008 P6009	P6006 P6007	P6032	P6025	P500CF**	P500CF	P170CF*	P170CF
OSCILLOSCOPES																		
310A		X		X				X		X		X			0		0	
317		X		X				X		X		X			0		0	
RM17		X		X				X		X		X			0		0	
321		X		X				X		X		X			0		0	
321A		X		X				X		X		X			0		0	
360		X		X				X		X		X			0		0	
502A		0		X				X	X	X		X			0		0	
503		0		X				X	X	X		X			0		0	
RM503		0		X				X	X	X		X			0		0	
504		0		X				X		X		X			0		0	
RM504		0		X				X		X		X			0		0	
515A		X		X				X		X		X			0		0	
RM15		X		X				X		X		X			0		0	
516		X		X				X		X		X			0		0	
517A	0	0	0															X
519	0	0	0			0	0											
524AD								X				X				X		
525								X				X						
526								X										
527								X										
RM527								X										
PLUG-IN UNITS																		
B		X		X				X		X		X			0		0	
CA		X		X				X	0	X		X			0		0	
D		X		X				X	X	X		X			0		0	
G		X		X				X	X	X		X			0		0	
H		X		X				X		X		X			0		0	
K		X		X				X		X		X			0		0	
L		X		X				X		X		X			0		0	
M		X		X				X		X		X			0		0	
N	X	0	X			0	X							X				
O		X		X				X		X		X			0		0	
Z		X		X					X	0		0			0		0	
1A1	0	X	0	X		0		X		X	X	0			0		0	
1A2	0	X	0	X		0		X		X	X	0			0		0	
2A60		X		X				X		X		X			0		0	
2A63		X		X				X	X	X		X			0		0	
3A1		X		X				X	0	X		X			0		0	
3A2		X		X				X		X		X			0		0	
3A3		X		X					X	X		0			0		0	
3A6		X		X					0	X		X			0		0	
3A72		X		X				X	0	X		X			0		0	
3A74		X		X				X		X		X			0		0	
3A75		X		X				X		X		X			0		0	
10A2	0	X	0	0		0		X		X	X	X			0		0	
82	0	X	0	0		0				X	X	0			0		0	
86	0	X	0	0		0	0		X	X	X	0			0		0	
3S76	X	0	X	X		X	0						X					
3S3	X	0	X		X													
4S1	X	0	X			X	0						X					
4S2	X	0	X		X	X							X					
4S3	X	0	X															
9A1		X		X				X	0	X		X			0		0	
9A2		X		X				X	0	X		X			0		0	
AMPLIFIERS																		
123								X							0		0	
1121								X				X			0			X
* With 128 Power Supply and 170 Ω Termination ** With 128 Power Supply																		
X Recommended O These combinations have limitations, but they may be very useful in certain applications.																		

PROBES

Tektronix manufactures both active and passive probes that broaden application areas for Tektronix oscilloscopes.

Most Tektronix probes are selectable for their attenuation ratios. They not only attenuate the signal to the oscilloscope but also reduce the loading effect of the oscilloscope on the circuit under test.

To assist in selection, the probes have been grouped as to general-purpose, special-purpose, and sampling. When making your selection, consider these guiding principles:

1. Be sure the desired probe will accommodate the input resistance and capacitance of the oscilloscope used, and is equipped with the proper type of connector.

2. For RF (CW) or high-voltage applications, select a probe with an adequate RF or HV rating. Most probes require derating for RF work.

3. Select for appropriate risetime and bandwidth for the oscilloscope and application.

4. When considering high input impedance, select the shortest cable length, highest attenuation probe compatible with the application. The probe with the lowest compatible input capacitance will generally provide the most accurate measurements.

When ordering any probe, please designate not only the type but also the six-digit part number.

If you desire help in selecting the right probe for your applications, please consult your Tektronix Field Engineer.

GENERAL PURPOSE PROBES

P6006 10X PASSIVE PROBE

The Type P6006 low input-capacitance probe has improved design and electrical characteristics over its predecessors, the Types P6000, P6003, P6017, and P6022 Probes.

By rotating the probe body with respect to its base, the probe time-constant can be adjusted for the input time-constant of the oscilloscope or plug-in unit.

The probe is available with 6', 9', or 12' cable lengths in addition to the standard 3.5' cable length and either BNC or UHF connectors. BNC to UHF or UHF to BNC adapters are available from your local supplier or Tektronix, Inc.

ATTENUATION RATIO is 10X.

INPUT RESISTANCE is 10 megohms.

INPUT CAPACITANCE for standard length probe is approximately 7 pf when used with an instrument having a 20 pf input capacitance and approximately 9.5 pf when used with an instrument having a 47 pf input capacitance.

PROBE RISETIME is approximately 5 nsec.

TYPICAL RISETIME of probe, Type K Plug-In Unit, and Type 540-Series Oscilloscope is 13 nsec.

VOLTAGE RATING is 600 v dc or ac pk-to-pk.*

STANDARD CABLE is 3.5' long, terminated with BNC or UHF connector.

P6006 PROBE PACKAGE (010-127 BNC or 010-125 UHF) \$22

Includes: 1—P6006 probe, 010-128 BNC or 010-126 UHF
 1—straight tip, 206-015 2—minigator clips, 344-046
 1—hook tip, 206-105 1—probe holder, 352-068
 1—pincher tip, 013-071 1—5" ground lead, 175-124
 1—spring tip, 206-060 1—12" ground lead, 175-125
 1—banana plug, 134-013 1—instruction manual, 070-381

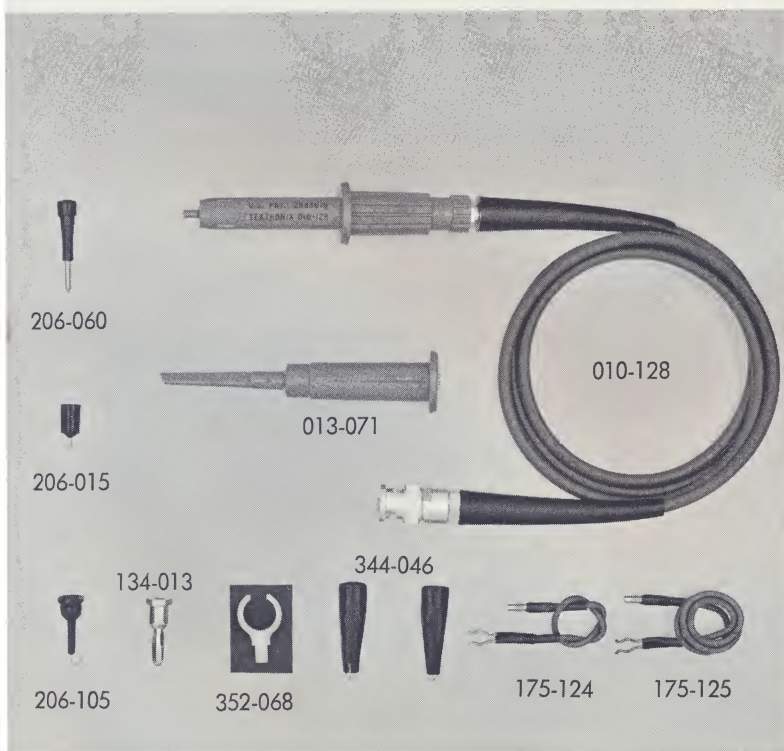
*Peak-to-peak voltage derating is necessary for CW frequencies higher than 5.7 Mc when working into a 20 pf input, or higher than 3.6 Mc when working into a 47 pf input.

ADDITIONAL CABLE LENGTH P6006 PROBE PACKAGE WITH CORRESPONDING INPUT C CHANGE.

Cable Length	Input C		Part Number		Price
	20 pf	47 pf	BNC Connector	UHF Connector	
6'	8.5 pf	11.0 pf	010-160	010-158	\$22
9'	11.0 pf	13.5 pf	010-146	010-142	22
12'	13.0 pf	15.5 pf	010-148	010-144	22

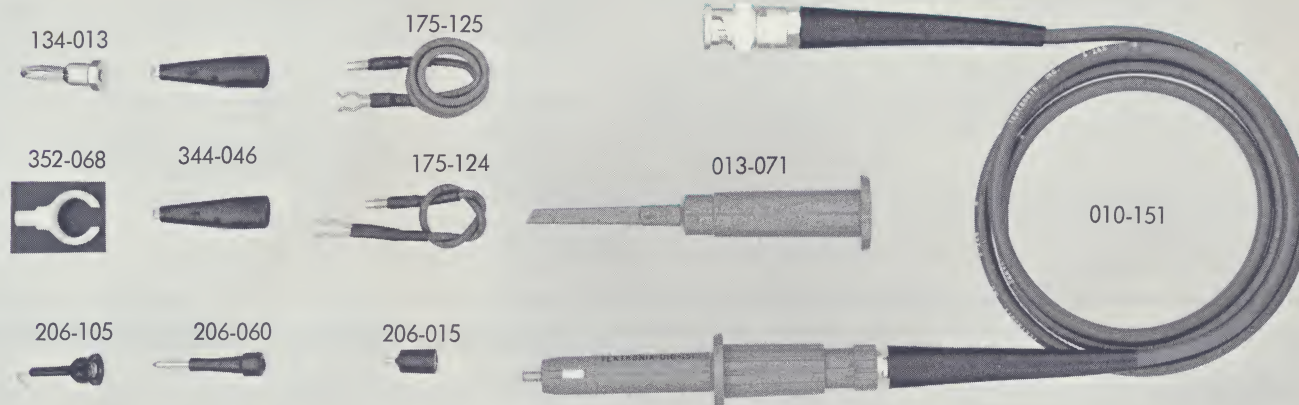
REPLACEMENT PROBES (without tips and ground leads)

Cable Length	Part Number		Price
	BNC Connector	UHF Connector	
3.5'	010-128	010-126	\$19.50
6'	010-161	010-159	19.50
9'	010-147	010-143	19.50
12'	010-149	010-145	19.50



ACCESSORIES

P6007 100X PASSIVE PROBE



The Type P6007 low input-capacitance probe has improved overall design and electrical characteristics over its predecessors, the Types P6002 and P6005 Probes.

By rotating the probe body with respect to its base, the probe time constant can be adjusted for the input time constant of the oscilloscope or plug-in unit.

At no additional cost, the probe is available with 6', 9', and 12' cable lengths in addition to the standard 3.5' cable length with either BNC or UHF connectors. UHF to BNC adapters are available from your local supplier or Tektronix Inc.

ATTENUATION RATIO is 100X.

INPUT RESISTANCE is 10 megohms.

INPUT CAPACITANCE for a standard length probe is approximately 2.0 pf when used with an instrument having a 20 pf input capacitance and approximately 2.3 pf when used with an instrument having a 47 pf input capacitance.

PROBE RISETIME is approximately 7 nsec.

TYPICAL RISETIME of probe, Type K Plug-In Unit, and Type 540-Series Oscilloscope is 13 nsec.

VOLTAGE RATING is 1.5 kv dc or ac rms, 4.2 kv ac pk-to-pk.*

STANDARD CABLE is 3.5' long, terminated with BNC or UHF connector.

P6007 PROBE PACKAGE (010-150 BNC or 010-134 UHF) \$22

Includes: 1—P6007 probe, 010-151 BNC or 010-135 UHF
 1—straight tip, 206-015
 1—hook tip, 206-105
 1—pincher tip, 013-071
 1—spring tip, 206-060
 1—banana plug, 134-013
 2—minigator clips, 344-046
 1—probe holder, 352-068
 1—5" ground lead, 175-124
 1—12" ground lead, 175-125
 1—instruction manual, 070-381

*Peak-to-peak voltage derating is necessary for CW frequencies higher than 200 kc. At 10 Mc, the maximum allowable pk-to-pk voltage is 2 kv. Above 10 Mc, additional derating is required depending on the input capacitance of the plug-in or instrument used.

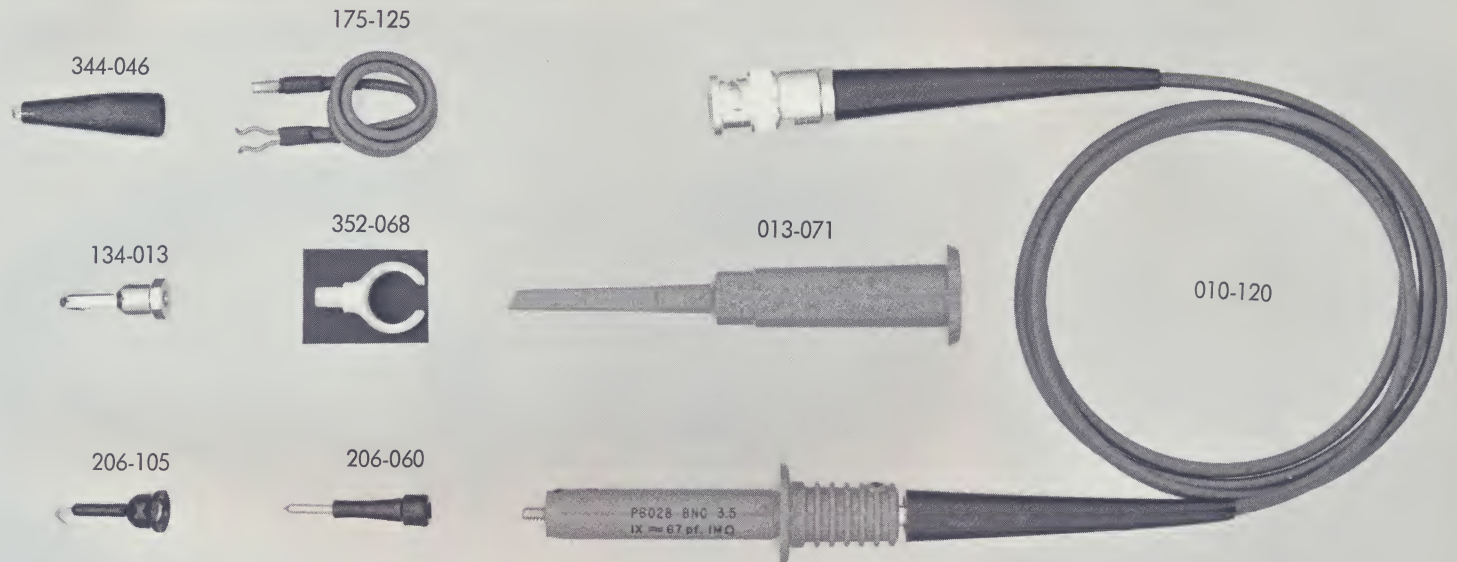
ADDITIONAL CABLE LENGTH P6007 PROBE PACKAGE WITH CORRESPONDING INPUT C CHANGE.

Cable Length	Input C 20 pf 47 pf	Part Number		Price
		BNC Connector	UHF Connector	
6'	2.2 2.5	010-165	010-162	\$22.00
9'	2.4 2.7	010-152	010-136	22.00
12'	2.6 2.8	010-154	010-138	22.00

REPLACEMENT PROBES (without Tips and Ground Leads).

Cable Length	BNC Connector	UHF Connector	Price
3.5'	010-151	010-135	\$19.50
6'	010-166	010-163	19.50
9'	010-153	010-137	19.50
12'	010-155	010-139	19.50

P6027 and P6028 1X PROBES



The P6027 and P6028 passive probes are identical in all respects with the exception of the connectors. The P6027 uses a UHF connector. The P6028 uses a BNC connector.

In addition to the standard 3.5' cable length, these probes are available in cable lengths of 6', 9', and 12'. Insertion loss increases with probe cable length. For a 12' cable length probe, insertion loss is an additional 3-db at 16 Mc.

ATTENUATION RATIO is 1X.

INPUT RESISTANCE is 1 meg.

INPUT CAPACITANCE for a standard length probe is 60 pf when used with an instrument having a 20 pf input capacitance and 87 pf when used with an instrument having a 47 pf input capacitance.

PROBE RISETIME is approximately 10 nsec.

TYPICAL RISETIME of probe, Type K Plug-In Unit, and Type 540-Series Oscilloscope is 16 nsec.

VOLTAGE RATING is 600 v dc or ac pk-to-pk.*

STANDARD CABLE is 3.5' long, terminated with BNC or UHF connector.

P6027 PROBE PACKAGE with UHF connector (010-070) \$12.50

P6028 PROBE PACKAGE with BNC connector (010-074) 12.50

Each probe package includes:

- 1—probe (UHF, 010-116) or (BNC, 010-120)
- 1—hook tip, 206-105
- 1—pincher tip, 013-071
- 1—spring tip, 206-060
- 1—banana plug, 134-013
- 1—minigator clip, 344-046
- 1—probe holder, 352-068
- 1—12" ground lead, 175-125
- 1—parts list

*peak-to-peak voltage derating is necessary for CW frequencies higher than 1 Mc. At 10 Mc, the maximum allowable pk-to-pk voltage is 60 v.

REPLACEMENT PROBES (without tips and ground leads)

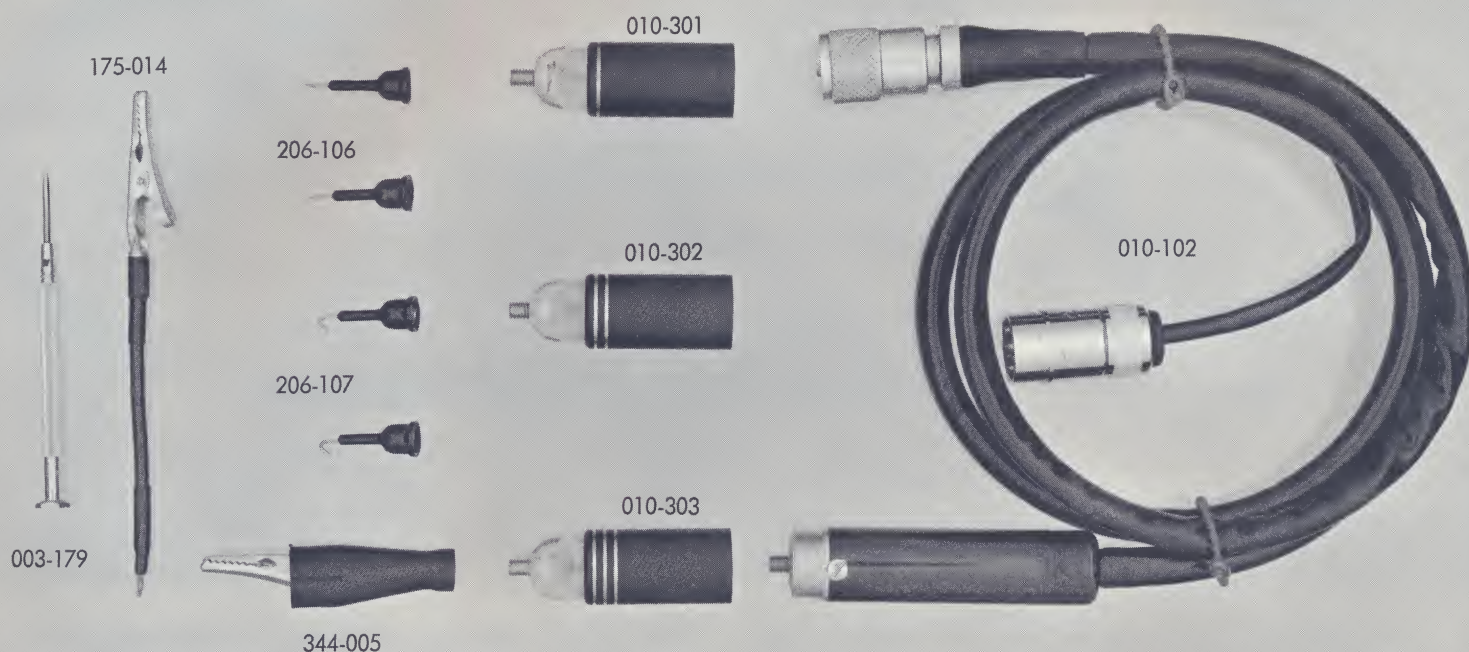
Cable Length	Part Number		Price
	P6027	P6028	
3.5'	010-116	010-120	\$9.45
6'	010-117	010-121	9.45
9'	010-118	010-122	9.45
12'	010-119	010-123	9.45

P6027 and P6028 PROBES with over 3.5' cable lengths

Probe	Cable Length	Con- nector	Part No.	Input Capacitance		Price
				Min-pf	Max-pf	
P6027 P6028	6 ft.	UHF BNC	010-071 010-075	83.0	110.0	\$12.50
P6027 P6028	9 ft.	UHF BNC	010-072 010-076	110.0	137.0	\$12.50
P6027 P6028	12 ft.	UHF BNC	010-073 010-077	138.0	165.0	\$12.50

SPECIAL PURPOSE PROBES

P170CF CATHODE-FOLLOWER PROBE



The P170CF has been developed for use with the Tektronix Type 517A Oscilloscope. When used with oscilloscopes other than the Type 517A, the P170CF requires use of a power supply such as the Tektronix Type 128 Probe Power Supply.

The preamplifier grid line in the Type 517A acts as the 170-ohm termination for the P170CF probe. When the probe is used with oscilloscopes other than the Type 517A, the Tektronix 170-ohm terminating resistor is recommended for proper termination of the P170CF.

The probe uses three variable attenuator heads for attenuations up to 4000X.

PROBE ALONE:

ATTENUATION is 2X.

RISETIME is less than 2 nsec.

INPUT SHUNT CAPACITANCE is 5 to 5.5 pf.

LOW FREQUENCY INPUT RESISTANCE is 12 megahoms, isolated by 0.001 μ f coupling capacitor.

FREQUENCY RESPONSE is down less than 0.5 db at 65 Mc for high frequency and down 3 db at 15 cps for low frequency.

MAXIMUM VOLTAGE INPUT is ± 0.5 v peak.

POWER SUPPLY REQUIREMENTS are regulated + 120 v at 10 ma, regulated or unregulated 6.3 v at 150 ma.

CABLE is 3.5' long, terminated with a UHF connector.

P170CF PROBE PACKAGE (010-101) \$99.50

Includes: 1—P170CF probe, 010-102
1—PAX-I attenuator head, 010-301
1—PAX-II attenuator head, 010-302
1—PAX-III attenuator head, 010-303
2—hook tips, 206-107
2—straight tips, 206-106
1—ground lead, 175-014
1—clip, 344-005
1—screwdriver, 003-179
1—instruction manual, 070-201

P170CF ONLY (010-102) \$53.00

P170CF ATTENUATOR HEADS

Type	Attenuation (includes P170CF)	Input Capacity	Low-Freq. 3-db Point	Max. Voltage Input	Part No.	Price
PAX-I	4X min. 40X max.	5 pf 1.2 pf	800 cps 1700 cps	± 1 v pk.	010-301	\$14.00
PAX-II	40X min. 400X max.	5 pf 1.2 pf	150 cps 150 cps	± 10 v pk.	010-302	\$14.00
PAX-III	400X min. 4000X max.	3 pf 1.1 pf	60 cps 60 cps	± 100 v pk.	010-303	\$14.00

P500CF CATHODE-FOLLOWER PROBE

The P500CF Probe has been developed for use with the Tektronix Type 524AD Oscilloscope. When used with oscilloscopes other than the Type 524AD, the P500CF requires use of a power supply such as the Tektronix Type 128 Probe Power Supply.

PROBE GAIN is from 0.8 to 0.85.

ATTENUATION is 10X with attenuator head.

INPUT IMPEDANCE is 40 megohms paralleled by 4 pf when using the probe alone and 10 megohms paralleled by 2 pf when using 10X attenuator head.

HIGH FREQUENCY RESPONSE is 0.5-db down at 10 Mc.

LOW FREQUENCY RESPONSE is 3-db down at 5 cps.

AMPLITUDE DISTORTION is less than 3% for peak amplitudes up to 5 v when using the probe alone, or up to 50 v when using the 10X attenuator head.

MAXIMUM INPUT VOLTAGE is approximately 5 v at 10 Mc or 2 v at 30 Mc for the probe alone and approximately 50 v at 10 Mc or 20 v at 30 Mc when using the 10X attenuator head.

HUM LEVEL is less than 1.5 mv at maximum sensitivity.

POWER SUPPLY REQUIREMENTS are regulated +120 v at 25 ma, regulated or unregulated +6.3 v at 150 ma, dc voltages.

CABLE is 3.5' long, terminated with a UHF connector.

P500CF PROBE PACKAGE (010-109) \$85

Includes: 1—P500CF probe	2—straight tips, 206-106
1—10X probe head, 010-304	1—ground lead, 175-014
2—hook tips, 206-107	1—clip, 344-005
	1—instruction manual, 070-212

175-014

344-005

206-107

206-106

P6023 10X PROBE

Initially designed for the Tektronix Type Z Plug-In Unit, the Type P6023 applies its specifications as well to other Tektronix differential preamplifiers.

The probe can be compensated for input capacities between 20 pf and 50 pf. The attenuation can be compensated for normal plug-in attenuator differences between two plug-in units or two channels of the same plug-in unit.

ATTENUATION RATIO is 10X, adjustable $\pm 2.5\%$.

INPUT RESISTANCE is 8 meg.

INPUT CAPACITANCE is approximately 12 pf when used with an instrument having a 20 pf or 47 pf input capacitance.

PROBE RISETIME is less than 7 nsec.

TYPICAL RISETIME of probe, Type Z Plug-In Unit, and Type 540-Series Oscilloscope is 16 nsec.

VOLTAGE RATING is 1000 v dc or ac pk-to-pk*.

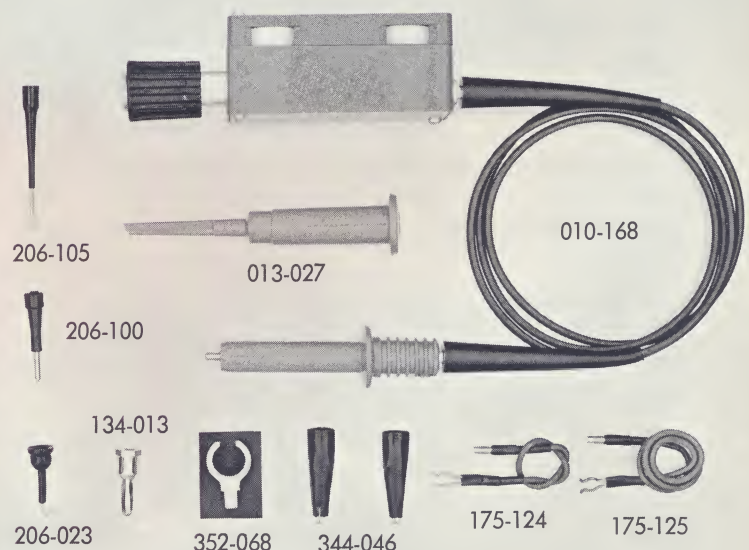
CABLE is 3.5' long, terminated with a locking BNC or UHF connector.

P6023 PROBE PACKAGE (010-167 LOCKING BNC or 010-065 UHF) \$40

Includes: 1—P6023 probe, 010-168 BNC or 010-097 UHF	2—minigator clips, 344-046
1—long tip, 206-105	1—probe holder, 352-068
1—hook tip, 206-023	1—5" ground lead, 175-124
1—pincher tip, 013-027	1—12" ground lead, 175-125
1—calibration tip, 206-100	1—instruction manual, 070-294
1—banana plug, 134-013	

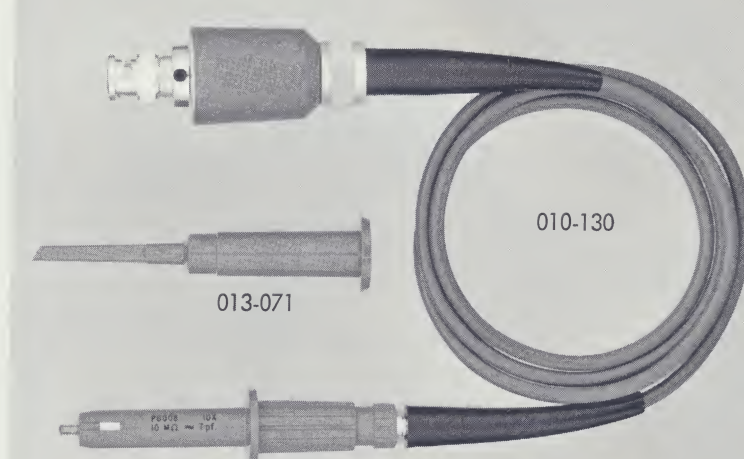
P6023 PROBE ONLY (010-168 LOCKING BNC or 010-097 UHF) \$33

*Peak-to-peak voltage derating is necessary for CW frequencies higher than 5 Mc. At 20 Mc, the maximum allowable pk-to-pk voltage is 300 v.



ACCESSORIES

P6008 10X PASSIVE PROBE



The P6008 low-capacitance probe was designed for use with the Tektronix Type 82 and Type 86 Plug-In Units. It can also be used with Type 1A1, 1A2 and 10A2 Plug-In Units.

The probe can be adjusted by rotating the probe body with respect to the probe base so that the probe input time constant equals the input time constant of the plug-in unit.

When observing high-frequency signals with the Type P6008, it is necessary to use the shortest ground lead possible in order to avoid excessive inductance between test point and probe.

ATTENUATION RATIO is 10X.

INPUT RESISTANCE is 10 meg.

INPUT CAPACITANCE is approximately 7.5 pf.

PROBE RISETIME is less than 3 nsec.

TYPICAL RISETIME of probe, Type 82 Plug-In Unit, and Type 580-Series Oscilloscope is 5 nsec.

VOLTAGE RATING is 600 v dc pk-to-pk.*

CABLE is 3.5' long, terminated with a BNC connector.

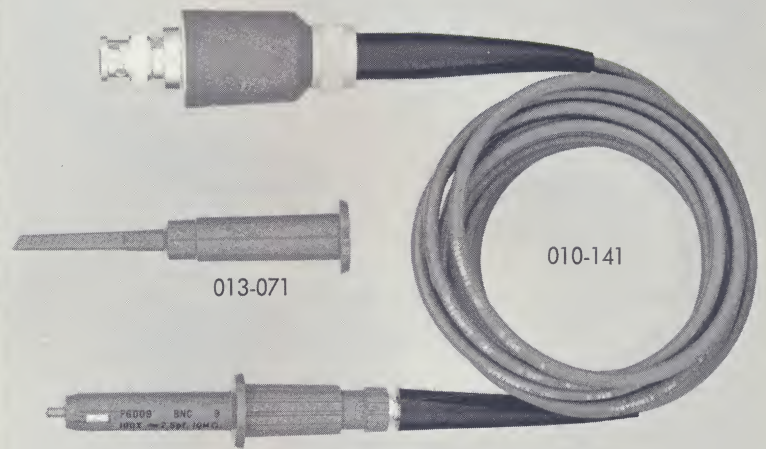
P6008 PROBE PACKAGE (010-129) \$35

Includes: 1—P6008 probe, 010-130
 1—bayonet adapter, 013-052
 1—hook tip, 206-105
 1—pincher tip, 013-071
 1—spring tip, 206-060
 1—straight tip, 206-015
 1—banana plug, 134-013
 1—center pin, 214-325
 2—minigator clips, 344-046
 1—probe holder, 352-068
 1—3" ground lead, 175-263
 1—5" ground lead, 175-124
 1—12" ground lead, 175-125
 1—instruction manual, 070-362

P6008 PROBE ONLY (010-130) \$30

*peak-to-peak voltage derating is necessary for CW frequencies higher than 20 Mc. At 40 Mc, the maximum allowable pk-to-pk voltage is 300 v.

P6009 100X PASSIVE PROBE



Initially designed for use with the Type 82 and Type 86 Plug-In Units, the P6009 low-capacitance probe can also be used with the 1A1, 1A2 Plug-In Unit. A separate version of the P6009 is available for use with the Type 10A2 Plug-In Unit.

The probe can be adjusted by rotating the probe body with respect to the probe base so that the probe input time constant equals the input time constant of the plug-in unit.

When observing high-frequency signals with the Type P6009, it is necessary to use the shortest ground lead possible in order to avoid excessive inductance between test point and probe.

ATTENUATION RATIO is 100X.

INPUT RESISTANCE is 10 meg.

INPUT CAPACITANCE is 2.5 pf.

PROBE RISETIME is approximately 2 nsec.

TYPICAL RISETIME of probe, Type 82 Plug-In Unit, and 580 Series Oscilloscope is 4.5 nsec.

VOLTAGE RATING is 1.5 kv dc or ac rms, 4 kv ac peak-to-peak.*

CABLE is 9' long, terminated with a BNC connector.

P6009 PROBE PACKAGE (010-140) \$55

P6009 PROBE PACKAGE, for Type 10A2 (010-170) 55

Includes: 1—P6009 probe, 010-141 or 010-171
1—banana plug, 134-013
1—center pin, 214-325
1—bayonet adapter, 013-052
2—minigator clips, 344-046
1—probe holder, 352-068
1—hook tip, 206-105
1—3" ground lead, 175-263
1—pincher tip, 013-071
1—5" ground lead, 175-124
1—spring tip, 206-060
1—12" ground lead, 175-125
1—straight tip, 206-015
1—instruction manual, 070-401

P6009 PROBE ONLY (010-141) \$50

P6009 PROBE ONLY, for Type 10A2 (010-171) 50

*peak-to-peak voltage derating is necessary for CW frequencies higher than 300 kc. At 40 Mc, the maximum allowable pk-to-pk voltage is 575 v.

ACCESSORIES

P6013 HIGH-VOLTAGE PROBE

The Type P6013 provides 1000X attenuation as a means for oscilloscope measurements of high-amplitude waveforms or dc potentials up to 12 kv. Pulse frequency can be up to 100 kc at 12 kv.

The probe can be compensated for oscilloscope input capacities up to 60 pf.

ATTENUATION RATIO is 1000X.

INPUT RESISTANCE is 100 meg.

INPUT CAPACITANCE is 3 pf.

PROBE RISETIME is less than 7 nsec.

TYPICAL RISETIME of probe, Type K Plug-In Unit, and Type 540-Series Oscilloscope is 14 nsec.

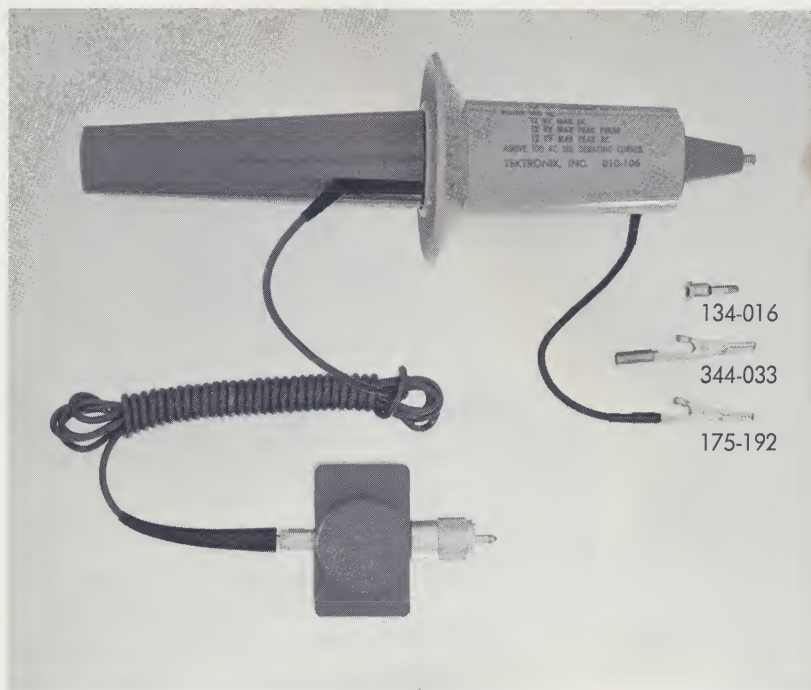
VOLTAGE RATING is 12 kv dc, pk pulse, or pk ac.*

CABLE is 10' long, terminated with a UHF connector.

P6013 PROBE PACKAGE (010-106) \$75

Includes: 1—P6013 probe 1—7" ground lead, 175-192
1—banana plug, 134-016 1—instruction manual, 071-321
1—alligator clip, 344-033

*peak-to-peak voltage derating is necessary for CW frequencies higher than 100 kc. At 1 Mc, the maximum allowable pk-to-pk voltage is 5.5 kv.



P6015 HIGH-VOLTAGE PROBE

The Type P6015 provides 1000X attenuation for oscilloscope measurements of waveforms reaching up to 40-kv peak. Voltage or duty cycle derating is necessary for RF voltages at frequencies over 100 kc, or in environmental temperatures above 25° C.

The probe time constant can be adjusted to equal that of the oscilloscope input time constant for those instruments having between 12 pf and 50 pf input capacitance.

ATTENUATION RATIO is 1000X, adjustable $\pm 9\%$.

INPUT RESISTANCE is 100 meg.

INPUT CAPACITANCE is approximately 2.7 pf.

PROBE RISETIME is approximately 4 nsec.

TYPICAL RISETIME of probe, Type K Plug-In Unit, and Type 540-Series Oscilloscope is 13 nsec.

TEMPERATURE RANGE is 10° C to 55° C environmental temperature. Calibration adjustments are necessary when environmental temperature changes.

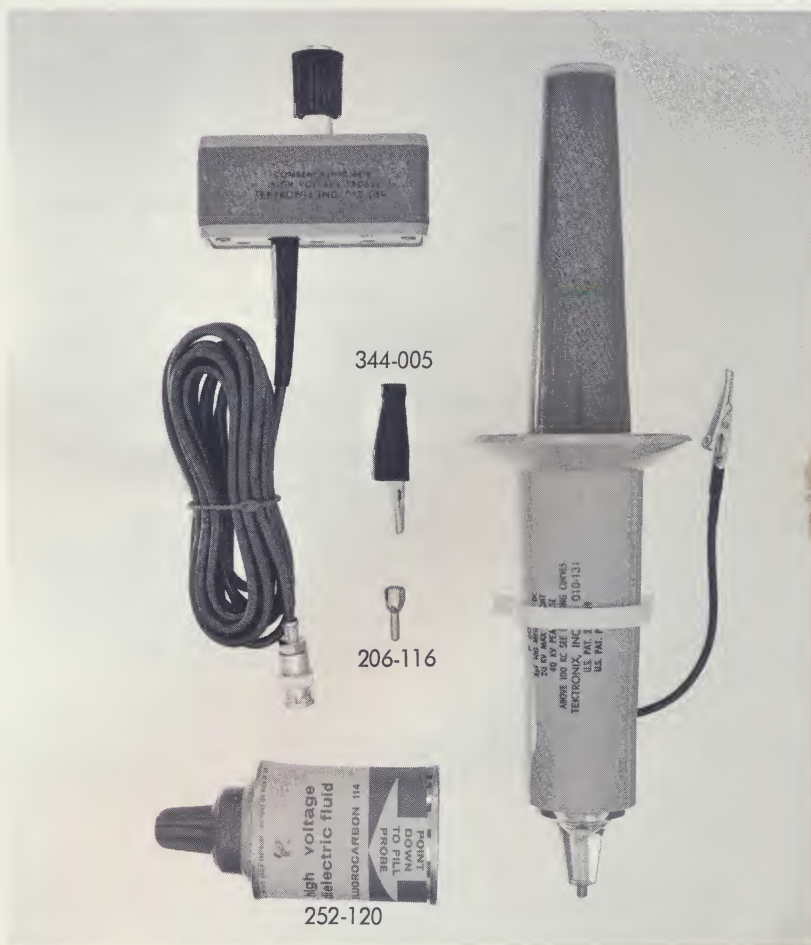
VOLTAGE RATING is 40 kv pk ac or pulse, 20 kv dc or rms continuous at 25° C environmental temperature.*

CABLE is 10' long, terminated with a BNC or UHF connector.

P6015 PROBE PACKAGE (010-172 LOCKING BNC or 010-132 UHF) \$200

Includes: 1—P6015 probe 1—alligator clip tip, 344-005
†1—storage case, 202-103 1—tip, 206-116
†1—storage case insert, 1—can, dielectric, 252-120
436-035 1—instruction manual, 070-373
†1—probe holder, 352-056 †(not shown)

*peak-to-peak voltage derating is necessary for CW frequencies higher than 100 kc. At 10 Mc, the maximum allowable pk-to-pk voltage is 13 kv.



P6016 AC CURRENT PROBE

The P6016 Probe offers two current detecting systems for use with Tektronix wide-band oscilloscopes, the P6016 Probe and Type 131 Amplifier combination, or the P6016 Probe and Passive Termination combination.

The Probe and Amplifier combination measures currents over a wide range with risetimes to 20 nsec. The Probe and Passive combination is not quite as flexible, but has improved passband characteristics.

PROBE AND TYPE 131 AMPLIFIER

SENSITIVITY with a 50 mv/div oscilloscope input is 1 ma/div basic sensitivity with 10 calibrated steps from 1 ma/div to 1 amp/div in a 1-2-5 sequence, accuracy within 3%. Variable control on the oscilloscope provides continuous uncalibrated ranging between steps.

NOISE is equivalent to a 100- μ amp, pk-to-pk, input signal.

RISETIME is 20 nsec with a Tektronix Type K Plug-In Unit and Type 540A-Series Oscilloscope.

PASSBAND is approximately 17 Mc at 3-db down.

DELAY TIME is 40 nsec or less measured at the 50% pulse amplitude points.

LOW-FREQUENCY RESPONSE at 3-db down is 50 cps.

AC CURRENT SATURATION RATING is 15 amps pk-to-pk, decreasing to 8 amps at 400 cps, 400 ma at 50 cps.

POWER REQUIREMENT is 105-125 v ac, approximately 0.5 watt at 117 v, or approximately 1 watt at 234 v ac, or 0.2 watt at 22.5* battery charge.

P6016 PROBE, TYPE 131 AMPLIFIER, 117 V POWER SUPPLY (015-054 LOCKING BNC or 015-030 UHF) \$235.00

P6016 PROBE, TYPE 131 AMPLIFIER, 234 V POWER SUPPLY (015-055 LOCKING BNC or 015-045 UHF) 235.00

TYPE 131 AMPLIFIER AND 117 V POWER SUPPLY (015-051 LOCKING BNC or 015-011 UHF) 160.00

TYPE 131 AMPLIFIER AND 234 V POWER SUPPLY (015-052 LOCKING BNC or 015-024 UHF) 160.00

TYPE 131 AMPLIFIER AND 22.5 V BATTERY ADAPTER (015-053 LOCKING BNC or 015-026 UHF) 120.00

TYPE 131 AMPLIFIER, less power supply (015-050 LOCKING BNC or 015-029 UHF) 115.00

117 V POWER SUPPLY ONLY (015-027) 60.00

234 V POWER SUPPLY ONLY (015-028) 60.00

*22.5 V BATTERY ADAPTER ONLY (013-050) 8.00

CALIBRATOR ADAPTER (017-031) 3.50

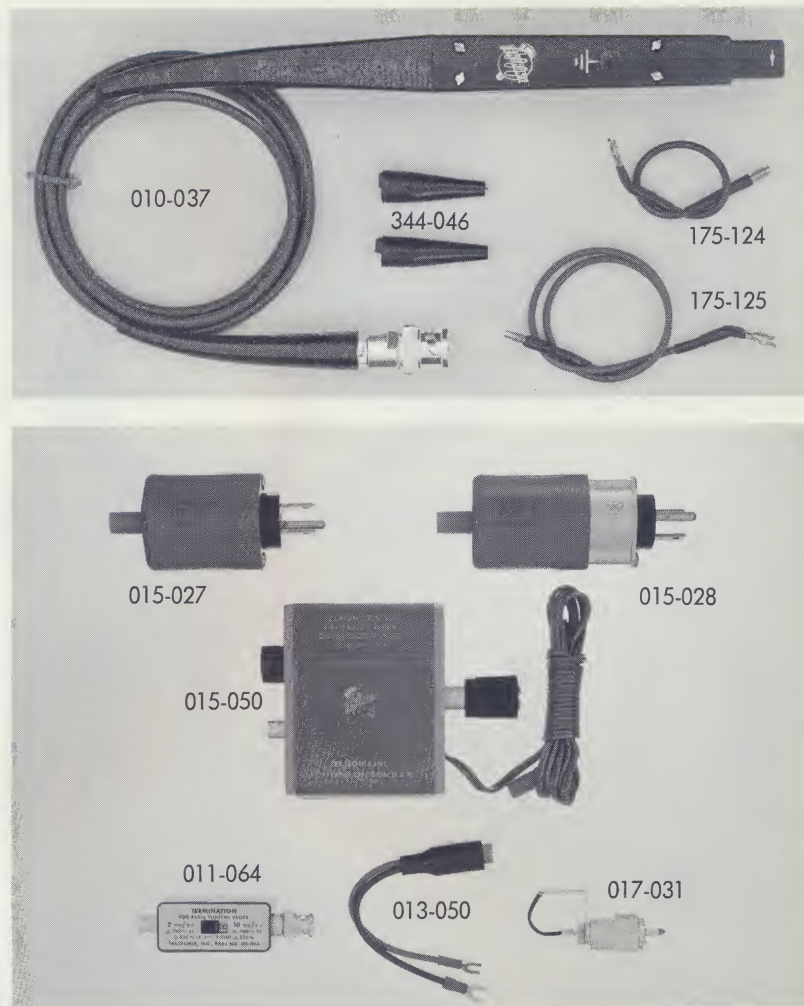
COMMON TO BOTH SYSTEMS

DC SATURATION THRESHOLD is 0.5 amp.

MAXIMUM BREAKDOWN VOLTAGE is 600 v.

INSERTION IMPEDANCE after a step function has been applied to the conductor under test is (1) 0.06 Ω after 50 nsec, (2) 0.04 Ω after 100 nsec, (3) 0.015 Ω after 1 μ sec, and (4) 0.006 Ω after 10 μ sec. Dependent upon size of the wire, the capacitance between conductor and probe case is typically 1 pf.

*Use Eveready #763 or equivalent.



PROBE AND PASSIVE TERMINATION

SENSITIVITY is either 2 ma/mv or 10 ma/mv of oscilloscope sensitivity, accuracy within 3%.

RISETIME is 17 nsec, $\pm 4\%$ maximum rolloff, overshoot, and ringing, with a Tektronix Type K Plug-In Unit and Type 540A-Series Oscilloscope.

PASSBAND is approximately 20 Mc at 3-db down.

DELAY TIME is 20 nsec or less measured at the 50% pulse amplitude points.

LOW-FREQUENCY RESPONSE at 3-db down is approximately 850 cps at 2 ma/mv (5% tilt of 10 μ sec square-wave pulse) and approximately 230 cps at 10 ma/mv (5% tilt of 35 μ sec square-wave pulse).

MAXIMUM CURRENT RATING is 15 amps pk-to-pk.

P6016 PROBE (010-037) \$75.00

PROBE AND PASSIVE TERMINATION BNC (011-074) 90.00

PROBE AND PASSIVE TERMINATION UHF (011-044) 90.00

PASSIVE TERMINATION (011-028 UHF or 011-064 BNC) 20.00

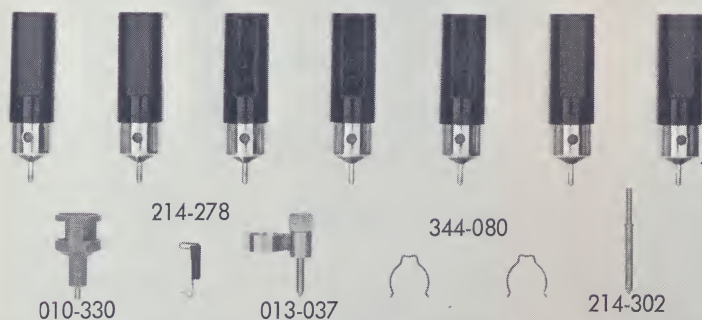
Each probe includes:

- 1—5" ground lead, 175-124 2—minigator leads, 344-046
- 1—12" ground lead, 175-125 1—instruction manual, 070-237

ACCESSORIES

SAMPLING PROBES

P6025 CATHODE-FOLLOWER PROBE



The P6025 Cathode-Follower Probe, a high-frequency probe designed for use with the Tektronix Type N Sampling Plug-In Unit, offers flexibility through 7 attenuator heads. All attenuator heads can be compensated for proper ac attenuation ratios.

Normally dc coupled, the probe can also be ac-coupled with a capacitor-coupler head that is supplied with the probe.

OUTPUT is ± 100 mv into a 50-ohm load.

OUTPUT DC LEVEL is approximately +350 mv.

INPUT RESISTANCE is 10 megohms with an attenuator head.

POWER REQUIREMENTS are 6.3 v ac at 200 ma for the heater and + 100 v dc at approximately 12 ma for the plate.

CABLE is 54 inches long with GR connector.

RISETIME of the probe, attenuator head, Type N Unit, is 0.85 nsec for attenuations of 200X and less, and 1 nsec for attenuations above 200X, when using a 25-ohm source impedance. A higher source impedance imposes an RC charge time as a restriction on the probe risetime.

CAPACITOR-COUPLER HEAD is rated at 0.001 μ fd, 500 v dc, and has a low-frequency 3-db point of 16 cps.

Part Number 010-330 \$4

ATTENUATOR HEADS (DC COUPLED)

Part Number	Attenuator	Input C $\pm 10\%$	Max. Linear Voltage Input in $\pm$ Volts
010-323	10X	5.0 pf	1
010-324	20X	3.5 pf	2
010-325	50X	2.5 pf	5
010-326	100X	1.8 pf	10
010-327	200X	1.5 pf	20
010-328	500X	1.3 pf	50
010-329	1Q00X	1.2 pf	100

All Heads \$16.00

P6025 PROBE PACKAGE (010-053) \$260

Includes: 1—P6025 probe, 010-054 2—ground clips, 344-080
7—attenuator heads 1—bayonet ground clip, 013-037
1—capacitor-coupler head 1—extended bayonet pin, 214-302
1—hook tip, 214-278 1—instruction manual, 070-326

P6025 PROBE Only (010-054) \$165

P6026 PASSIVE PROBE

The Type P6026 Probe, usable with any of the Tektronix 50-ohm input sampling systems, has extremely low input capacitance with passband characteristics to 600 Mc.

The seven attenuator heads are easily interchangeable and do not require compensation.

The probe includes two 50-ohm terminations, one for ac coupling and one for dc coupling.

Part Number	Attenuator-DC Accuracy within 2%	Input C	Input R at 600 Mc	Input R at DC	Low freq. coupled approx. AC 3 db point
010-333	5X	0.5 pf	125 Ω	125 Ω	1.4 Mc
010-334	10X	0.5 pf	250 Ω	250 Ω	720 kc
010-335	20X	0.6 pf	500 Ω	500 Ω	360 kc
010-336	50X	0.8 pf	1 k Ω	1.25 k Ω	140 kc
010-337	100X	0.8 pf	2 k Ω	2.5 k Ω	65 kc
010-338	200X	0.8 pf	3.25 k Ω	5 k Ω	32 kc
010-339	500X	0.8 pf	4 k Ω	12.5 k Ω	13 kc
010-331	50 Ω DC termination, 010-340 50 Ω AC termination				

All Heads \$14.00 ea.

STANDARD CABLE is a 10-nsec RG58A/U cable, approximately 6 1/2 feet long; 5-nsec and 10-nsec RG8/U cables are available for extending the cable length. A frequency response loss becomes apparent when the cable is extended beyond 20 feet.

10 nsec, approx. 6.5' long (017-501) \$13.50

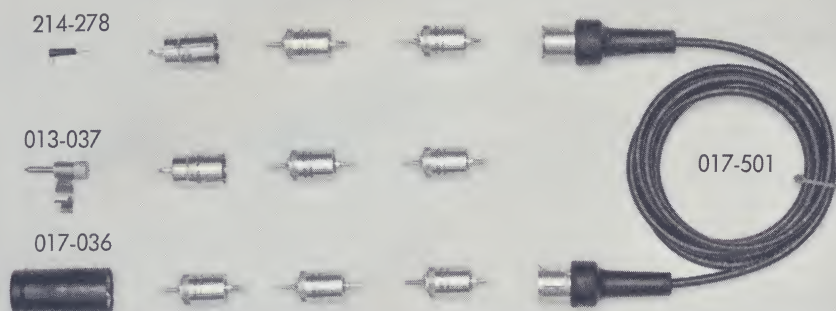
5 nsec, approx. 3.5' long (017-502) 13.50

P6026 PROBE PACKAGE (010-055) \$140

Includes: 1—hook tip, 214-278 7—attenuator heads
1—50 Ω ac termination, 010-340 1—10 nsec cable, 017-501
1—50 Ω dc termination, 010-331 1—carrying case, 202-081
1—ground clip, 013-037 1—instruction manual 070-291
1—adapter, 017-036

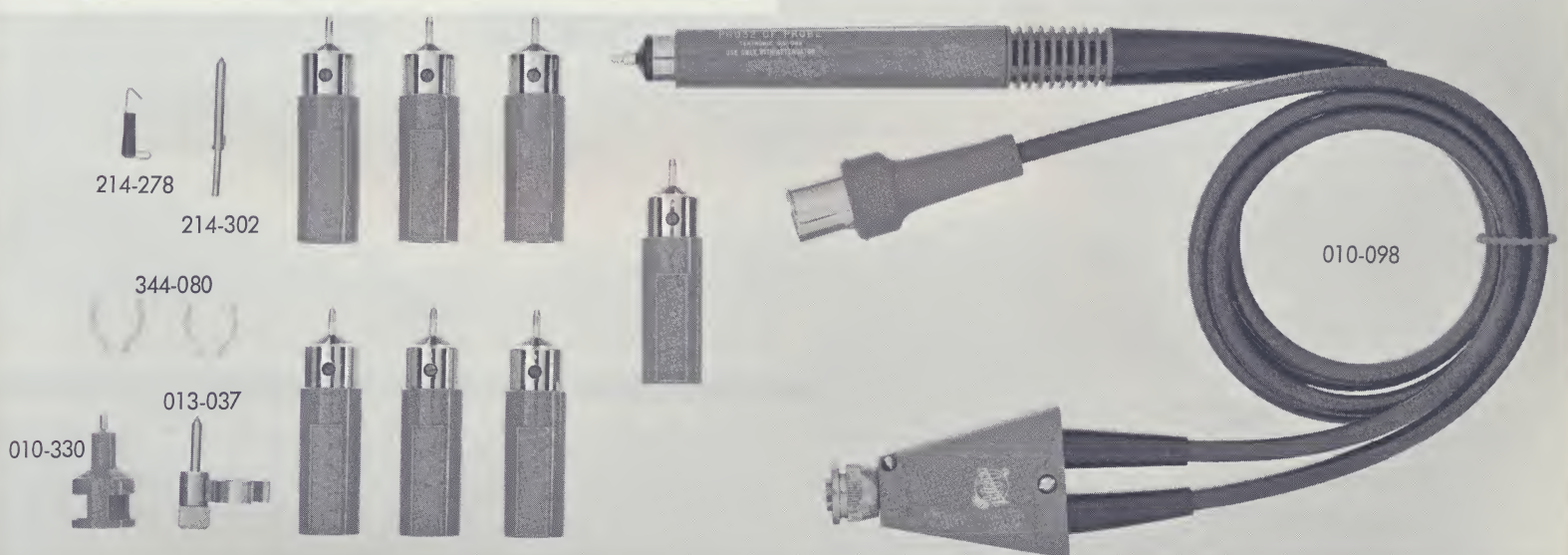
ACCESSORIES

P6026 PASSIVE PROBE



202-081

P6032 CATHODE-FOLLOWER PROBE



The P6032 is a high-frequency cathode-follower probe designed for use with Tektronix vertical sampling plug-in units, such as the Type 3S76, Type 4S1, and Type 4S2.

The attenuator heads can be compensated for ac attenuation ratios.

RISETIME is typically 0.4 nsec for probe and attenuator head.

MAXIMUM OUTPUT is ± 150 mv into a 50- Ω load.

SIGNAL DELAY is approximately 10 nsec.

POWER REQUIREMENTS are 12.6 v at 180 ma for the filament and +100 v at 12 ma for the plate.

CABLE is 54" long with GR connector.

CAPACITOR-COUPLER HEAD is rated at 0.001 μ fd, 500 v dc. Low frequency 3-db point is 16 cps.

Order Part Number 010-330 \$4

P6032 PROBE PACKAGE (010-108) \$220

Includes: 1—P6032 probe, 010-098 7—attenuator heads
1—capacitor-coupler head 1—center pin, 214-302
1—ground clip, 013-037 2—solderable ground clips, 344-080
1—spring contact, 214-278 1—instruction manual, 070-327

P6032 PROBE ONLY (010-098) \$115

Part Number	Attenuator Head	Max. Input Voltage*	Input Capacitance ($\pm 10\%$)
010-350	10X	± 1.5 v	3.6 pf
010-351	20X	± 3.0 v	2.6 pf
010-352	50X	± 7.5 v	1.8 pf
010-353	100X	± 15 v	1.5 pf
010-354	200X	± 30 v	1.4 pf
010-355	500X	± 75 v**	1.3 pf
010-356	1000X	± 150 v**	1.3 pf

*Limited by linearity of cathode follower. This value may be exceeded by 50% for pulses without damage to probe components.
**Must be derated for continuous wave use. Peak-to-peak voltage derating is necessary at CW frequencies higher than 500 Mc for the 1000X attenuator head and 1000 Mc for the 500X attenuator head.

Attenuator Head	Max. Input Voltage (peak-to-peak) (at 100% duty factor)			
	500 Mc	750 Mc	1000 Mc	1250 Mc
500X	150 v	150 v	150 v	125 v
1000X	300 v	200 v	150 v	125 v

INPUT RESISTANCE at DC of all attenuator heads is 10 megohms $\pm 2\%$.

All heads \$18.00 ea.

ACCESSORIES

P6034 10X PROBE

The P6034 low-capacitance, miniature passive probe assists Tektronix Type 4S1, 4S2 and Type 3S76 Pulse-Sampling Plug-In Units in realizing accurate measurements of high-speed repetitive pulse. Risetime of the probe conforms to the risetime of the plug-in units.

The probe is marked for attenuation ratio, wattage rating, and resistance of the probe.

ATTENUATION RATIO is 10X.

INPUT RESISTANCE is 500 ohms $\pm 1.5\%$, approximately 300 ohms at 1 Gc.

INPUT CAPACITANCE is 0.7 pf, dc to 100 Mc.

PROBE RISETIME is less than 100 psec.

PASSBAND is dc to 3.5 Gc (3-db down).

LOW FREQUENCY RESPONSE is approximately 70 kc at 3-db down, ac coupled.

MAXIMUM RINGING AND OVERSHOOT is 2% using a 25-ohm source and coaxial probe ground.

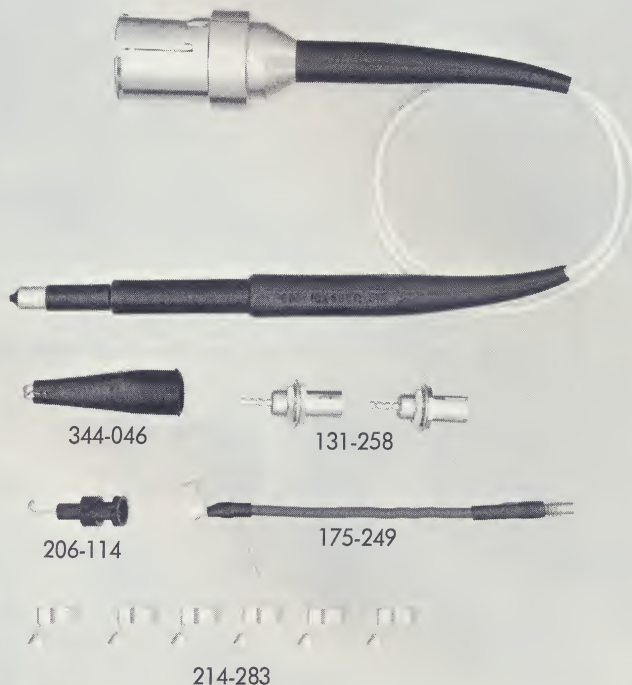
VOLTAGE RATING is 16 v dc or 45 v pk-to-pk.*

CABLE is 18" long with GR connector.

P6034 PROBE PACKAGE (010-110) \$35

Includes: 1—P6034 probe 2—test jacks, 131-258
1—hook tip, 206-114 1—2½" ground lead, 175-249
6—ground clips, 214-283 1—instruction manual, 070-368
1—minigator clip, 344-046

*peak-to-peak voltage derating is necessary for CW frequencies higher than 800 Mc. At 1 Gc, the maximum allowable pk-to-pk voltage is 25 v.



P6035 100X PROBE

The P6035 low-capacitance miniature passive probe physically resembles the P6034 probe and adheres closely to the risetime of the Type 4S1, 4S2 and Type 3S76 Sampling Plug-In Units when making high-speed repetitive-pulse measurements.

The probe is marked for attenuation ratio, wattage rating, and resistance of the probe.

ATTENUATION RATIO is 100X.

INPUT RESISTANCE is 5 k $\pm 1.5\%$, approximately 1.5 k at 1 Gc.

INPUT CAPACITANCE is 0.6 pf, dc to 100 Mc.

PROBE RISETIME is less than 200 psec.

PASSBAND is dc to 1.7 Gc (3-db down).

LOW FREQUENCY RESPONSE is approximately 6 kc at 3-db down, ac coupled.

MAXIMUM RINGING AND OVERSHOOT is 2% using a 25-ohm source and coaxial probe ground.

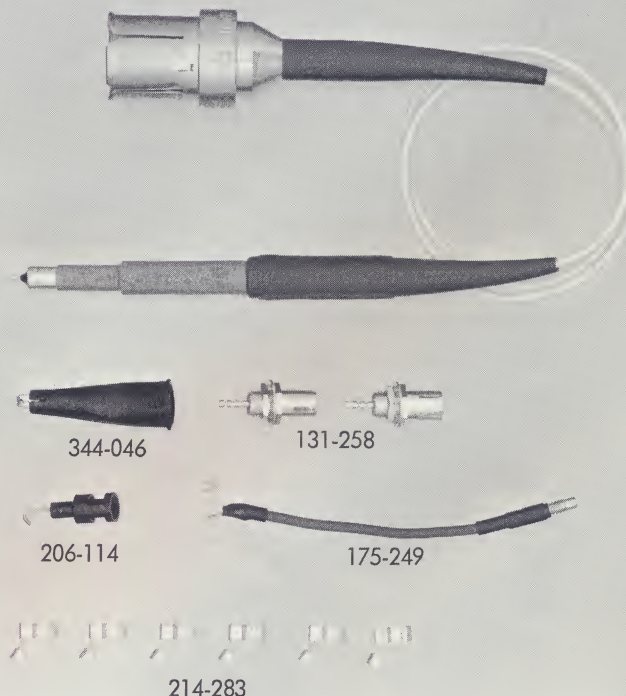
VOLTAGE RATING is 50 v dc or 140 v pk-to-pk.*

CABLE is 18" long with GR connector.

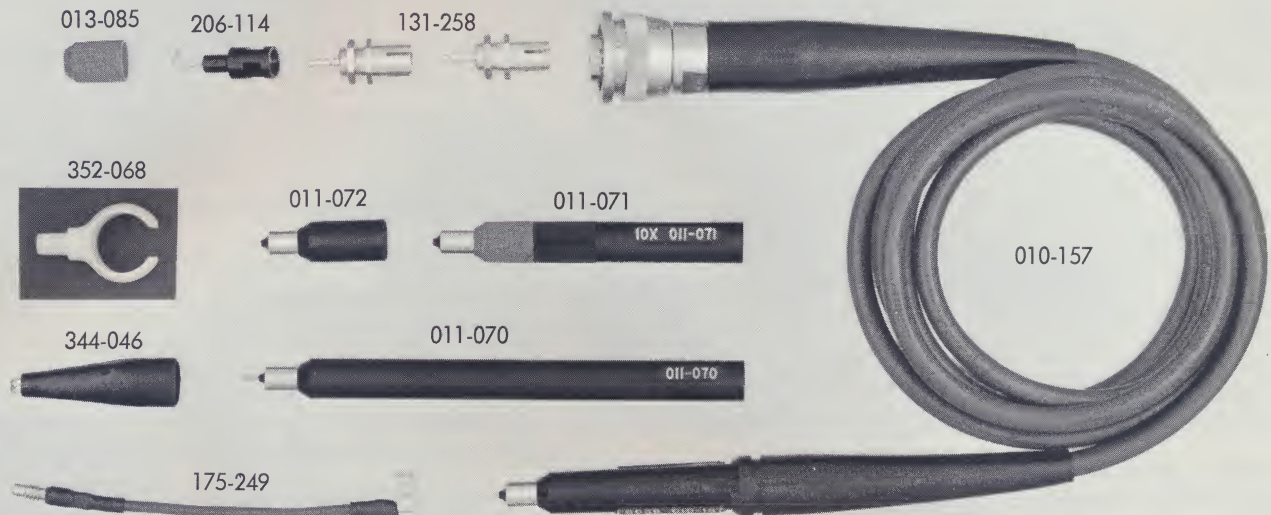
P6035 PROBE PACKAGE (010-111) \$35

Includes: 1—P6035 probe 2—test jacks, 131-258
1—hook tip, 206-114 1—2½" ground lead, 175-249
6—ground clips, 214-283 1—instruction manual, 070-369
1—minigator clip, 344-046

*peak-to-peak voltage derating is necessary for CW frequencies higher than 500 Mc. At 1 Gc, the maximum allowable pk-to-pk voltage is 60 v.



P6038 DIRECT SAMPLING PROBE



Specifically designed for use with the Type 3S3 and 4S3 Sampling Plug-Ins, the P6038 Probe features wide-band performance in the dc-to-1000 Mc range.

Very small in size for ease of handling, the P6038 Probe contains sampling circuitry in the probe head, permitting low-noise, full-sensitivity measurements even when used with source impedances above 50 ohms.

Standard accessories supplied with the P6038 Probe include a 10X Attenuator, a Coupling Capacitor for blocking the dc component of the signal, and a non-attenuating Response Normalizer to assure the probe input is insensitive to source impedance variations.

PROBE ALONE:

ATTENUATION is 1X.

INPUT RESISTANCE is $100\text{ k} \pm 1\%$.

INPUT CAPACITANCE is $2\text{ pf} \pm 10\%$.

TYPICAL RISETIME with Type 3S3 or 4S3 Plug-In Unit and a 50-ohm source is 0.35 nsec or less.

CABLE is approximately 4.5' with special 4-pin connector.

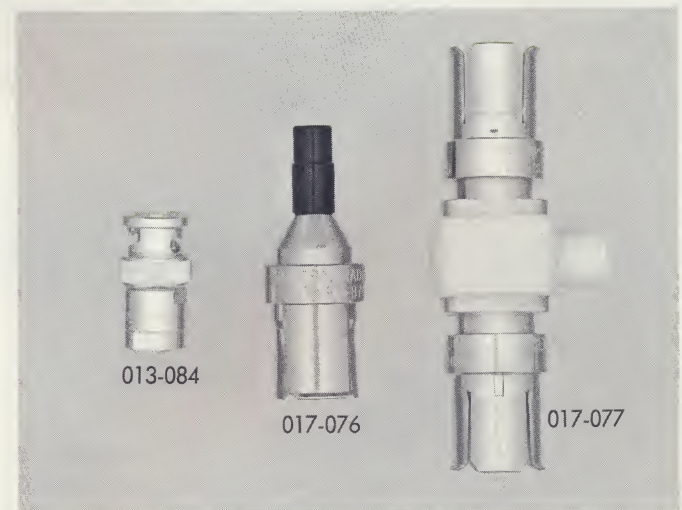
P6038 PROBE PACKAGE (010-156) \$225

Includes: 1—P6038 probe, 010-157
 1—coupling capacitor, 011-072
 1—10X attenuator, 011-071
 1—response normalizer, 011-070
 2—test-point jacks, 131-258
 1—bayonet ground adapter, 013-085
 1—hook tip, 206-114
 1—ground clip, 175-249
 1—probe holder, 352-068
 1—carrying case, 202-123
 1—minigator clip, 344-046
 1—instruction manual, 070-400

P6038 PROBE ONLY (010-157) \$155

P6038 PROBE/ADAPTER CHARACTERISTICS

	INPUT R	INPUT C
PROBE AND COUPLING CAPACITOR		$3.5\text{ pf} \pm 10\%$
PROBE AND 10X ATTENUATOR	$1\text{ meg} \pm 1\%$	$1.8\text{ pf} \pm 10\%$
PROBE AND RESPONSE NORMALIZER	$100.3\text{ k} \pm 1\%$	$3.5\text{ pf} \pm 10\%$

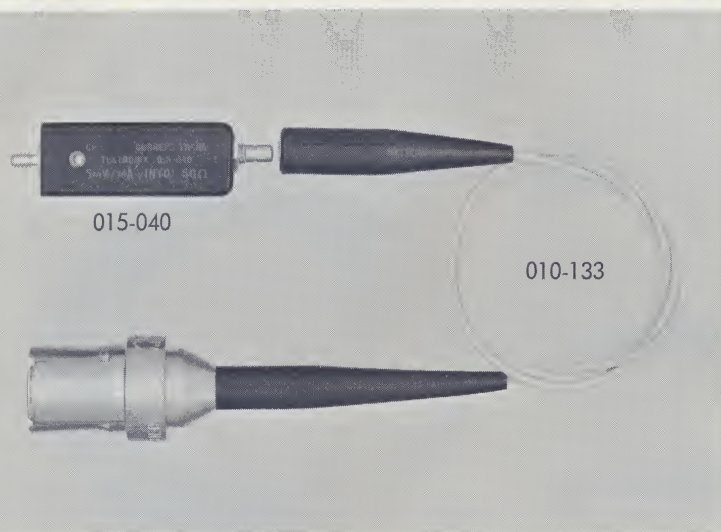


OPTIONAL ACCESSORIES

P6038-TO-GR ADAPTER (017-076) \$ 4.50
 P6038-TO-BNC ADAPTER (013-084) 3.00
 VP-2 VOLTAGE PICKOFF "T" (017-077) 30.00

ACCESSORIES

TYPE CT-1 CURRENT TRANSFORMER & P6040 PROBE



When used with Tektronix sampling systems, the CT-1 and P6040 combination will measure milliamp currents at frequencies from 35 kc to beyond 1 Gc.

Because of its compact size (approx. 2" long, $\frac{9}{16}$ " wide and $\frac{3}{8}$ " thick) the CT-1 is easy to use in crowded circuits. Its insulated case eliminates the possibility of shorting-out adjacent components or wiring.

SENSITIVITY is 5 mv/ma into a 50-ohm load. Accuracy is better than $\pm 3\%$.

DECAY TIME CONSTANT is 5 μ sec, approximated by 1% per 50 nsec; limit, 1 μ sec.

RISETIME is less than 0.35 nsec.

FREQUENCY RESPONSE is 35 kc to 1 Gc (30% down points).

INSERTION IMPEDANCE with a 50-ohm termination is 1 ohm shunted by approximately 5 μ h; 2 ohms shunted by approximately 5 μ h without a 50-ohm termination.

CAPACITIVE LOADING to a bare wire passing through the CT-1 transformer is typically 1.5 pf for no. 14 gauge, 0.6 pf for no. 20 gauge.

MAXIMUM VOLTAGE OF CIRCUIT UNDER TEST is 1000 v dc.

DIRECT CURRENT reduces the L/R time constant by a factor of 2 at 0.6 amp.

PULSE CURRENT RATING is 100 amps peak, with an amp-sec product of 1 amp- μ sec. When the amp-second product is exceeded, the core saturates reducing the CT-1 output to zero.

RMS CURRENT RATING is 500 ma maximum.

TEMPERATURE RATING is -25°C to $+65^{\circ}\text{C}$.

PHYSICAL DIMENSIONS are $\frac{3}{8}$ " x $\frac{9}{16}$ " x $1\frac{13}{16}$ " plus $\frac{1}{4}$ " x 6-32 mounting stud.

TYPE P6040 PROBE

The P6040 Probe is an inter-connecting cable for the CT-1, used between the transformer and oscilloscope input.

If several CT-1 Transformers are in a circuit, the P6040 Probe can be used to monitor any one of them.

The P6040 can be used with other test-point connectors, such as Amphenol series 27 Sub-Minax or Sealectro Sub-Minature rf.

IMPEDANCE is 50 Ω .

ATTENUATION is 1X.

OUTPUT CONNECTOR is a GR type.

CABLE LENGTH is 18 inches. Additional 50- Ω cable can be used in series with the probe. RG8/U or RG58A/U is recommended for best preservation of the CT-1 Transformer high-frequency response.

CT-1 AND P6040 (015-041) \$31

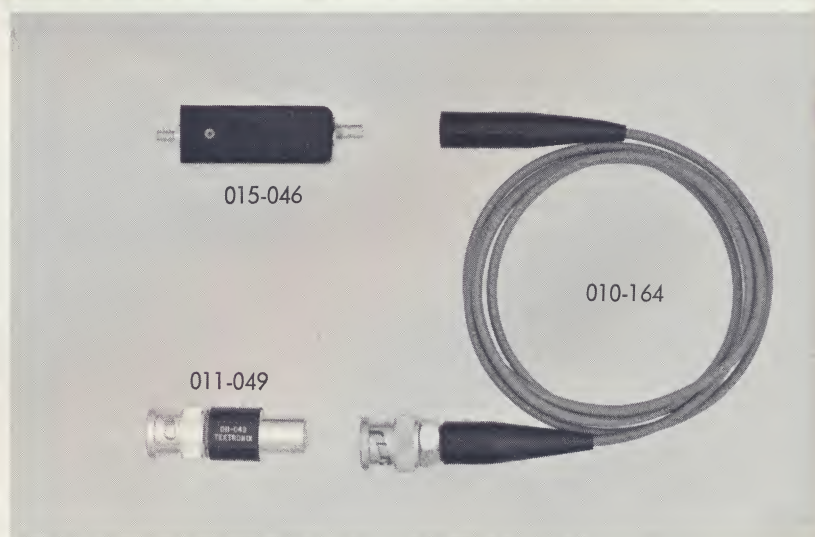
CT-1 CURRENT TRANSFORMER (015-040) 17

P6040 PROBE (010-133) 14

TYPE CT-2 CURRENT TRANSFORMER & P6041 PROBE

The CT-2 Current Transformer and P6041 Probe combination is designed for use with conventional oscilloscopes such as the Tektronix Type 530, 540, 550 and 580 Series. Since the frequency response of the CT-2/P6041 is only 7% down at 200 Mc, the response of the system will be that of the oscilloscope used.

The insulated case of the CT-2 Current Transformer is convenient to use in applications where limited circuit space exists. Several CT-2 Transformers may be placed throughout the circuit and monitored by one or more P6041 Probes.



ACCESSORIES

TYPE P6041 PROBE

The P6041 Probe serves as an interconnecting cable between the CT-2 Transformer and the oscilloscope input. A 50-ohm termination is used in conjunction with the P6041 for terminating the probe at the high impedance input of the oscilloscope used.

Although designed for use with the CT-2, the P6041 Probe can be used with other test-point connectors, such as Amphenol Series 27 Sub-Minax or Sealectro Sub-Minature RF.

IMPEDANCE is 50 ohms.

ATTENUATION is 1X.

OUTPUT CONNECTOR is BNC type.

CABLE LENGTH is 42". Additional 50-ohm cable can be used in series with the probe. RG8/U or RG58A/U cable is recommended to preserve the high-frequency response.

CT-2 AND P6041/50-OHM TERMINATION (015-047) \$37.75

CT-2 CURRENT TRANSFORMER (015-046) 17.00

P6041 PROBE (010-164) 12.00

50-OHM TERMINATION (011-049) 8.75

TYPE CT-3 50-OHM SIGNAL PICKOFF

Designed for use with high-frequency Oscilloscopes, the CT-3 Pickoff provides a convenient means of picking off a signal in a 50-ohm system. Used with any of the Tektronix Sampling Instruments, the CT-3 provides the link for use as a trigger source.

The CT-3 inductively meters the current in a circuit, developing a proportional output voltage. Used in a 50-ohm system, the output voltage of the CT-3 is 10% of the voltage at the center conductor.

SENSITIVITY is 10% of the voltage under test, into a 50-ohm load.

DECAY TIME CONSTANT is 4.5 μ sec at 0 dc current.

RISETIME is approximately 0.4 nsec.

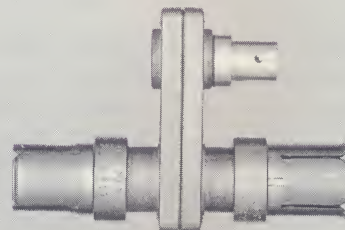
FREQUENCY RESPONSE is 50 kc to 875 Mc at 0 dc current.

INSERTION IMPEDANCE with a 50-ohm termination is 1 ohm shunted by 4.5 μ h; 2 ohms shunted by 4.5 μ h without a 50-ohm termination.

VSWR is approximately 1.2 at 1.5 Gc.

VOLTAGE RATING at 0 v dc is 25 v RMS, 1 kv pulse pk. The volts-sec product is 100 v μ sec. If exceeded, the L/R decay will decay rapidly toward zero.

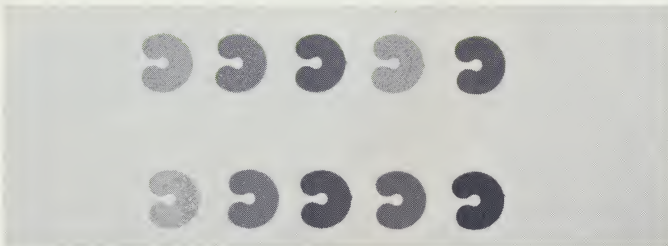
ORDER PART NUMBER 017-061 \$30.00



ACCESSORIES

PROBE ACCESSORIES

IDENTIFICATION TAGS



Probe identification tags for multi-probe applications help locate correlating probe ends quickly. One package contains 2 each of 10 colors.

Order Part Number 334-798 \$1.00

PROBE GROUNDING ADAPTER



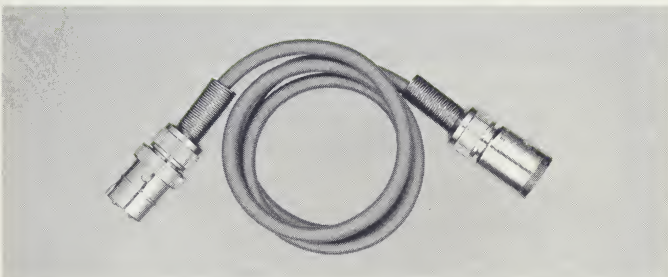
PROBE GROUNDING ADAPTER for Tektronix 10X probes provides a convenient method of establishing the vertical position of the oscilloscope trace in relation to the zero volts input at the probe tip. The adapter eliminates the need moving the probe tip from the signal source to ground.

Push-button operation of the Adapter disconnects the oscilloscope input from the probe and, at the same time, connects the input to ground through a parallel combination of a 9.1 megohm resistor and a 0.03 μ f capacitor.

The Probe Grounding Adapter adds 7.5 pf to the input capacitance of the plug-in or oscilloscope. Readjustment of the probe is necessary for proper square-wave response.

Order Part Number (015-048 BNC) \$11
(015-044) UHF) 11

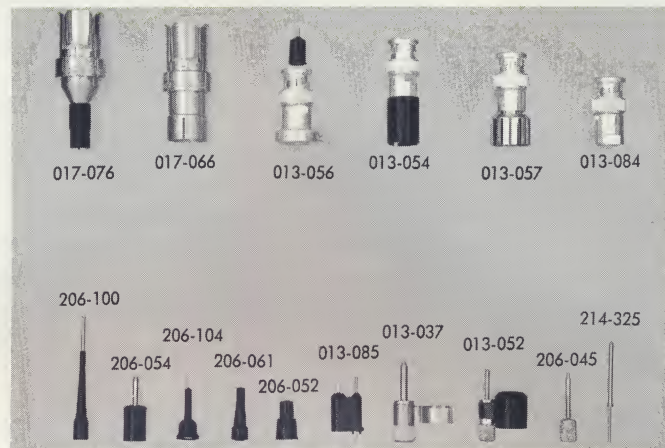
POWER CABLE EXTENSION



Probe Power-Cable Extension—A 30" 3-conductor power-cable extension for Tektronix P170CF and P500CF cathode-follower probes, permits wider separation of the probe power source from the instrument signal input.

Order Part Number 012-030 \$7.50

PROBE TIPS AND GROUND LEADS



SPECIAL-PURPOSE TIPS AND ADAPTERS

The following tips have a 6-32 thread size.

Description	Part Number	Price
Probe tip to BNC adapter (for P6025, P6026, P6032)	013-057	\$4.50
Probe tip to BNC adapter (for P6006, P6007, P6008 and P6009)	013-054	3.00
Adapts probe to male BNC connector	013-056	3.00
Probe tip to BNC adapter (for P6034, P6035, P6038)	013-084	3.00
Probe tip to GR adapter (for P6025, P6026, P6032)	017-066	6.25
Probe tip to GR adapter (for P6034, P6035, P6038)	017-076	4.50
Bayonet ground assembly (for P6008, P6009)	013-052	2.50
Bayonet ground assembly (for P6034, P6035, P6038)	013-085	2.50
Center pin (for 013-052)	214-325	1.95
Ground Clip Assembly (for P6025 and P6026)	013-037	2.50
Insulated Straight Shank	206-054	.25
Long Straight Shank	206-104	.25
Spring Tip, without shank	206-061	.40
Recessed, fits 0.065" recessed pin or plug	206-052	.25
Straight Shank, fits 0.082" pin jacks	206-045	.25
Calibration tip (for P6023)	206-100	2.70



SPECIAL-PURPOSE TIPS FOR P170CF, P500CF AND P410 PROBES

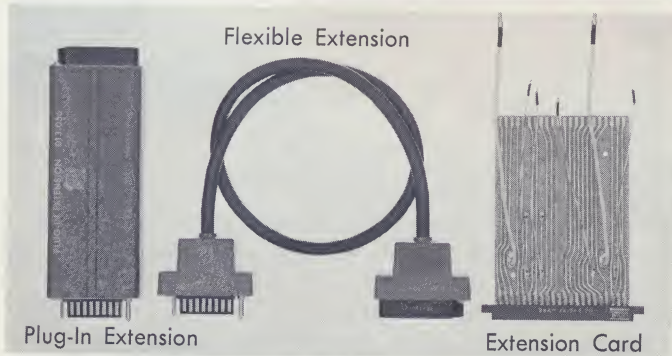
The following tips have a 10-32 thread size.

Description	Part Number	Price
Straight Shank	206-106	\$2.25
Hook Shank	206-107	.25
Bent Shank, fits 0.082" pin jacks	206-011	.25
Alligator-Clip Assembly	344-005	.40

ACCESSORIES

Description	Part Number	Price
Adapter, clip lead BNC	013-076	\$3.00
Adapter, clip lead UHF	013-003	3.00
Adapter, binding post UHF	013-004	3.00
Binding Post Adapter, with ground terminal, $\frac{3}{4}$ " spacing	013-009	3.25
UHF Male to BNC Female	103-015	2.75
UHF Female to Female	103-025	1.45
UHF T Male to 2 Female	103-026	3.40
UHF Elbow	103-027	2.15
BNC Female to Female	103-028	2.40
BNC Male to Male	103-029	5.45
BNC T Male to 2 Female	103-030	4.60
BNC Elbow	103-031	3.70
Male BNC to Female UHF	103-032	3.55
BNC to Binding Post	103-033	1.60
BNC Dual Binding Post	103-035	5.35

PLUG-IN UNIT ACCESSORIES



PLUG-IN EXTENSIONS—allow unit to be operated partially out of the oscilloscope:

For units in Type 560-Series Oscilloscopes
Order Part Number 013-034 \$14.00

For units in Type 530-, 540-, 550-, 580-Series Oscilloscopes
Order Part Number 013-055 \$14.50

For units in Type 647 Oscilloscope
Order Part Number 013-077 \$20.75

For Type R Unit only
Order Part Number 013-015 \$11.00

For Type 21A and 22A Time-Base Units
Order Part Number 013-013 \$20.75

EXTENSION CARDS—extend removable circuit cards for ease of calibration and maintenance.

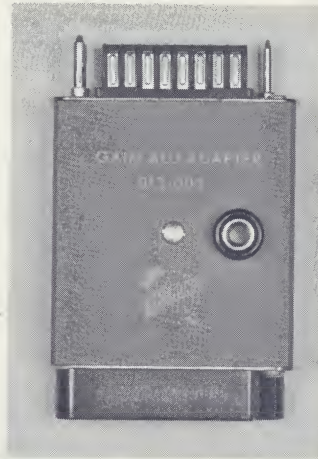
For Type 1A1 Plug-In Unit
Order Part Number 012-079 \$25.00

For Type 262 Programmer
Order Part Number 012-078 \$20.00

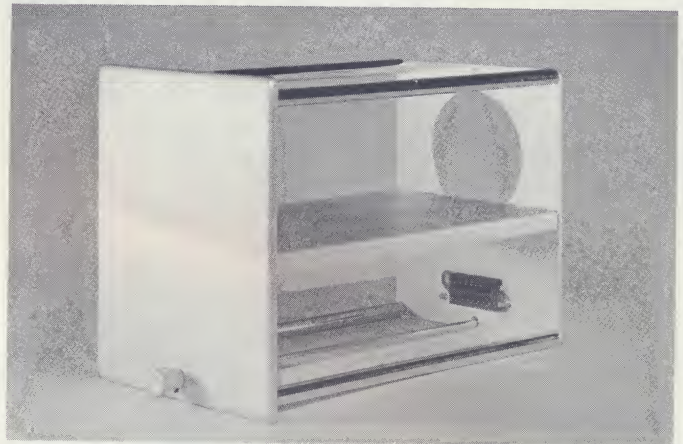
FLEXIBLE EXTENSIONS—permit plug-in unit operation away from the oscilloscope. Useful for trouble shooting—not used for calibration.

For 1-Series and Letter-Series Plug-In Units
Order Part Number 012-038 \$20.00

For 10 and 11-Series Plug-In Units
Order Part Number 012-080 \$24.00

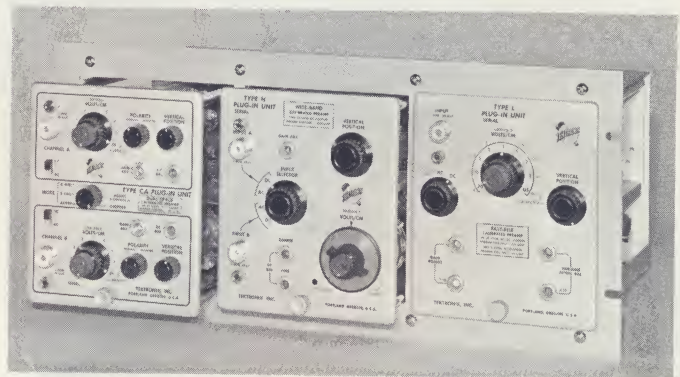


GAIN ADJUST ADAPTER—Permits an external calibrating signal to bypass the plug-in pre-amplifier, for calibrating the sensitivity of the main amplifier of Types 530, 540 and 550-Series Oscilloscopes.
Order Part Number 013-005 \$15



BLANK 1-SERIES AND LETTER-SERIES PLUG-IN CHASSIS—Useful for constructing your own special circuits.
Order Part Number 040-065 \$25.00

BLANK TYPE 560-SERIES PLUG-IN CHASSIS—For special circuit construction of sweep or vertical amplifier.
Order Part Number 040-245 \$25.00



PLUG-IN PREAMPLIFIER STORAGE CABINET mounts in standard rack, available in two types:

FOR 1-SERIES AND LETTER-SERIES PLUG-IN UNITS—holds 3 plug-in units. Measures 19" wide, $8\frac{3}{4}$ " high, $9\frac{3}{8}$ " deep.
Order Part Number 437-031 \$25

FOR 2 AND 3-SERIES PLUG-IN UNITS—holds 4 plug-in units. Measures 19" wide, 7" high, $13\frac{5}{16}$ " deep.
Order Part Number 437-071 \$30

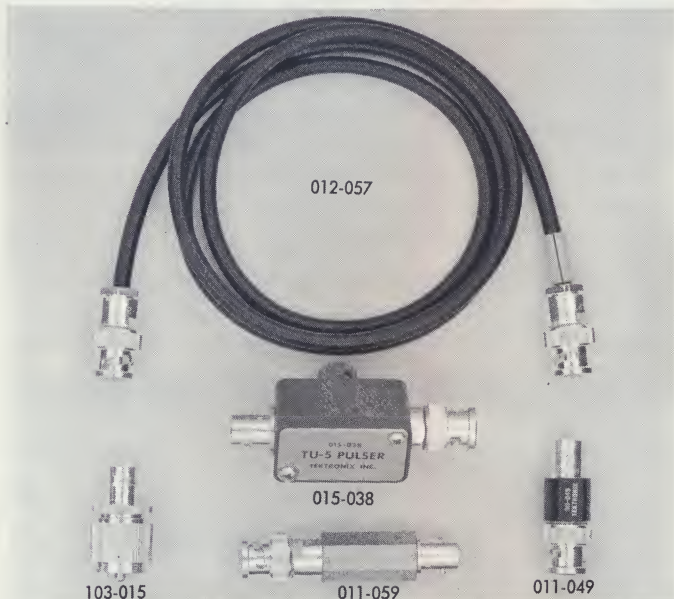
ACCESSORIES

TEST UNITS



TYPE TU-2 TEST-LOAD PLUG-IN UNIT—The unit is used to check Tektronix Type 530, 540, 550-Series Oscilloscope power-supply regulation under high load and low load demands of A to Z plug-in units. It can also be used to check vertical amplifier balance, vertical amplifier gain, and dual-trace function of the oscilloscope.

TYPE TU-2 TEST UNIT \$75



TYPE TU-5 PULSER—The TU-5 tunnel diode pulser generates a fast-rise, flat-top square wave designed to aid in adjustment of transient response of the Tektronix 80-Series Plug-In Units. It can also be used with letter series and sampling plug-in units. When used with letter-series and 80-Series plug-in units the pulser is sufficiently fast to show the risetime of the oscilloscope and plug-in unit.

The oscilloscope calibrator output provides the proper input to the pulser.

A bias adjustment on the pulser provides for changes in tunnel-diode characteristics due to temperature variations, tolerance, or other variables.

RISETIME—less than or equal to 0.3 nsec into 50 ohms.

AMPLITUDE—at least 200 mv with 50-ohm termination, 20 mv with 10X attenuator and 50-ohm termination.

PULSE WIDTH—about 0.5 msec, dependent on oscilloscope calibrator output, (oscilloscope calibrator is 1 kc).

OUTPUT IMPEDANCE—50 ohms (25 ohms when used with 50 ohm termination).

SOURCE VOLTAGE—100 volt square wave (10 ma) from the oscilloscope calibrator output.

REPETITION RATE—same as source voltage (1 kc from oscilloscope calibrator output).

BNC CONNECTORS—for input and output.

TU-5 PULSER PACKAGE (015-043) \$46.50

Includes: 1—TU-5 Pulser, 015-038 1—UHF to BNC adapter, 103-015
 1—10X attenuator, 011-059 1—50-ohm cable, 012-057
 1—50-ohm termination, 011-049

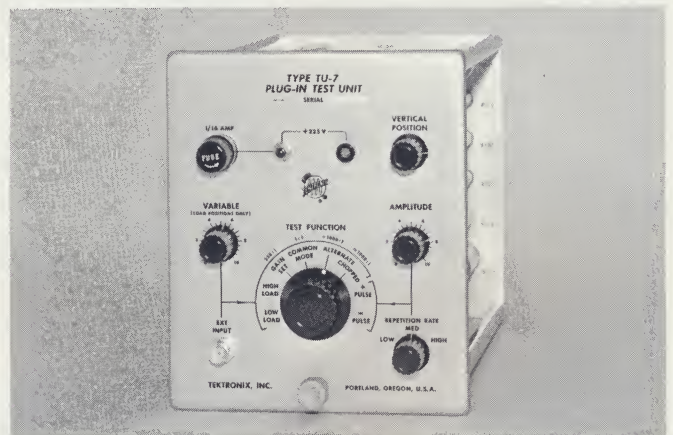
TU-5 PULSER ONLY (015-038) \$25.00



TU-5/105 ADAPTER—allows the TU-5 Pulser to be used with the Type 105 Square-Wave Generator.

The Adapter inverts the negative 100 v output of the Type 105 to a positive voltage source for driving the TU-5. A brighter trace display is possible because of the faster repetition rate of the Type 105 output.

TU-5/105 ADAPTER (013-075) \$20.00



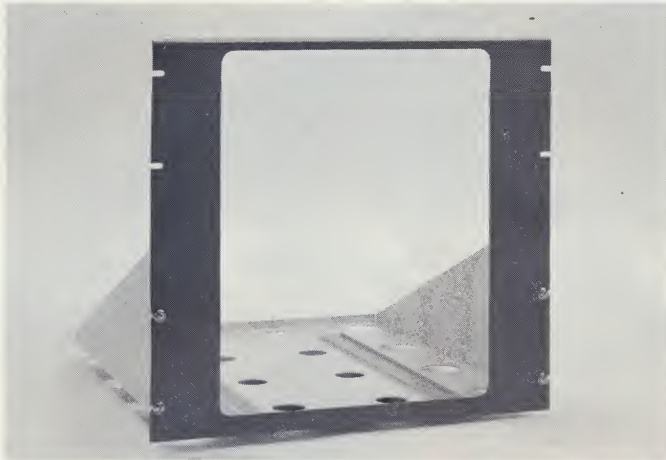
TYPE TU-7 PLUG-IN TEST UNIT is a calibration aid for Tektronix Type 530, 540 or 550-Series Oscilloscopes using 1-Series or Letter-Series Plug-in Units. The only plug-in required for calibration, the Type TU-7 features a built-in pulse generator for checking risetime and adjusting transient response of the oscilloscope vertical amplifier.

Other features include provisions for checking power supply regulation, chopped blanking operation, and alternate sync pulse circuitry. The TU-7 also checks dual-trace operation for instruments capable of displaying two time-base signals alternately.

TYPE TU-7 PLUG-IN TEST UNIT \$200

ACCESSORIES

MOUNTING ACCESSORIES



CRADLE-MOUNT—For rack mounting cabinet-type oscilloscopes. Each cradle-mount consists of a cradle (or "shelf") to support the instrument in any standard 19" relay rack, and a mask to fit over the regular instrument panel. Blue vinyl finish.

For Type 524AD, Type 530-Series, Type 540-Series, and Type 570 with serial numbers above 5000, Type 530A-Series, Type 540A-Series, Type 575, Type 580-Series, and Type 661 all serial numbers (1 mask, 1 cradle). Rack height requirements 17½". Order Part Number 040-281 \$45

For Type 507 and Type 551 instruments (2 masks, 2 cradles). Rack height requirements; Indicator mask 17½", Power Supply mask 12¼". Order Part Number 040-279 \$78.50

For Type 180A, Type 190A, Type 515A and Type 516 instruments (1 mask, 1 cradle). Rack height requirements 15¾". Order Part Number 040-277 \$45

For Type 502A instruments (1 mask, 1 cradle). Rack height requirements 17½". Order Part Number 040-278 \$45

For Type 555 (2 masks, 2 cradles). Rack height requirements: Indicator mask 21", Power Supply mask 12¼". Order Part Number 040-280 \$78.50

For Types 503, 504, 561, 561A, 564 instruments (1 mask, 1 cradle). Rack height requirements 15¾". Order Part Number 040-321 \$45

Cradle assembly for mounting 527 on left side of monitor. Order Part Number 426-133 \$57.50

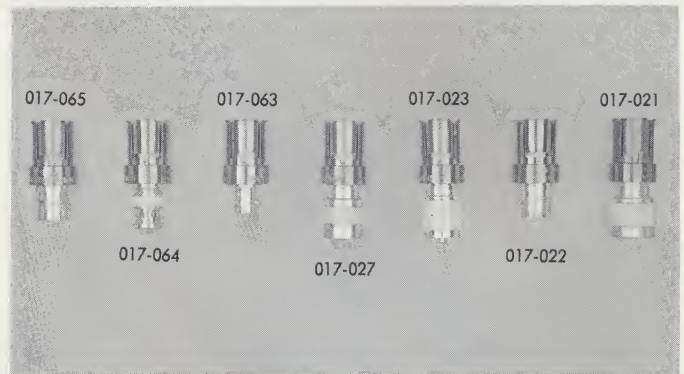
Cradle assembly for mounting 527 on right side of monitor. Order Part Number 426-134 \$57.50

Cradle assembly for mounting two 527's side by side. Order Part Number 426-135 \$57.50

MOUNTING FRAME—Holds four of any combination of Type FM122, Type 360, or Type 160-Series units. Mounts to standard instrument rack. Order Part Number 014-002 \$7.00

BLANK PANEL—Provides coverage for mounting frame Type FM122 area not being used. Order Part Number 333-157 \$2.50

SAMPLING ACCESSORIES



ADAPTERS

	Part No.	Price
GR to C male	017-027	\$6.25
GR to N male	017-021	6.25
GR to UHF female	017-022	6.25
GR to UHF male	017-023	6.25
GR to BNC female	017-063	6.25
GR to BNC male	017-064	6.25
GR to C female	017-065	6.25



50-OHM CONNECTING CABLES (GR-TYPE CONNECTORS)

Delay	Cable Type	Part No.	Price
1 nsec	RG58/AU	017-503	\$ 8.25
2 nsec	RG58/AU	017-505	13.50
5 nsec	RG8/AU	017-502	13.50
10 nsec	RG58/AU	017-501	13.50
20 nsec	RG8/AU	017-504	16.50

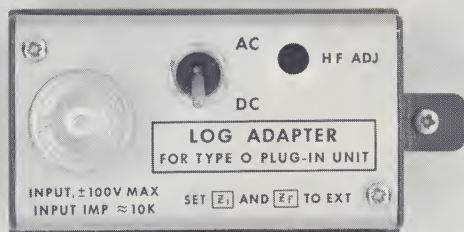
ACCESSORIES WITH GR-TYPE CONNECTORS

	Part No.	VSWR Rating	Price
50 Ω 10:1 Attenuator	017-044	<1.1 to 1 GC	\$20.00
50 Ω 5:1 Attenuator	017-045	<1.1 to 1 GC	20.00
50 Ω 2:1 Attenuator	017-046	<1.1 to 1 GC	20.00
50 Ω Termination	017-047	<1.1 to 1 GC	20.00
50 Ω Type 874-K Coupling Cap	017-028	<1.06 to 1 GC	\$10.00
50 Ω Type 874-X Insertion Unit	017-030		\$13.00
50 Ω Type 874-EL 90° Elbow	017-070	<1.06 to 2 GC <1.5 to 4 GC	\$10.00
50 Ω Type 874-T Tee	017-069	—	\$13.00
50 Ω to 125 Ω Min Loss Attenuator	017-052	<1.2 to 1 GC	\$30.00

ACCESSORIES

TYPE "O" PLUG-IN UNIT ACCESSORIES

LOGARITHMIC AMPLIFIER ADAPTER



The Logarithmic Amplifier Adapter converts linear amplification characteristics of the A or B operational amplifiers in the Type O Operational Amplifier Plug-In Unit to approximate logarithmic characteristics.

ALLOWABLE INPUT SIGNAL— ± 100 v maximum, ac or dc coupled.

INPUT IMPEDANCE—Approximately 10 kilohms.

AMPLIFICATION CHARACTERISTICS—With the Logarithmic Amplifier Adapter, the operational amplifier approximates a logarithmic amplification response for input signals from ± 0.1 v to ± 100 v.

Signal-In	Deflection
± 0.1 v	1 cm ± 0.5 mm
± 1.0 v	2 cm ± 0.5 mm
± 10.0 v	3 cm ± 1.0 mm
± 100 v	4 cm ± 1.0 mm

Below an input level of ± 0.05 v, the amplifier is no longer logarithmic.

RISETIME—Typically $0.2 \mu\text{sec}$ —for a 10-v signal to rise from 0.1 v to 10 v.

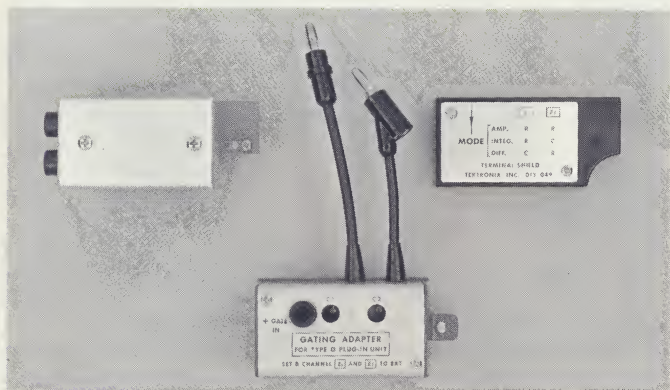
FALLTIME—Typically $0.3 \mu\text{sec}$ —for a 10-v signal to fall from 10 v to 0.1 v.

LOW FREQUENCY RESPONSE—65 cps. (In the AC-coupled mode, the -3 -db point for signals of over 500 mv peak amplitude, and where the effective input resistance is 10 k).

PASSBAND—The -3 -db apparent passband varies with both signal amplitude and signal dc level. It varies typically from 400 kc to 1 Mc, depending on the input signal.

LOGARITHMIC AMPLIFIER ADAPTER (Part No. 013-067) \$75

TERMINAL ADAPTERS AND SHIELDS



TERMINAL ADAPTER ASSEMBLY has all the mechanical parts for creating a custom adapter for the "O" Unit.
Order Part Number 013-048 \$10

TERMINAL SHIELD protects exposed terminals of the "O" Unit from spurious signals.
Order Part Number 013-049 \$2.50

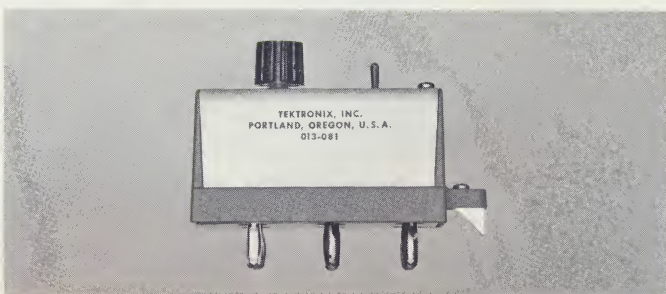
GATING ADAPTER permits on and off gating of the Type O Unit from the $+20$ v gate output of the oscilloscope used.

With the Adapter plugged into the "B" Operational Amplifier of the Type O Unit, the "A" Operational Amplifier is gated on or off. The signal applied is then amplified, integrated or differentiated only during the "on" time.

The Adapter is particularly useful for integration operations, where the accumulative voltage of repetitive signals would exceed the voltage rating of the Type O Unit input.

GATING ADAPTER (Part No. 013-068) \$75

COMPENSATING ADAPTER



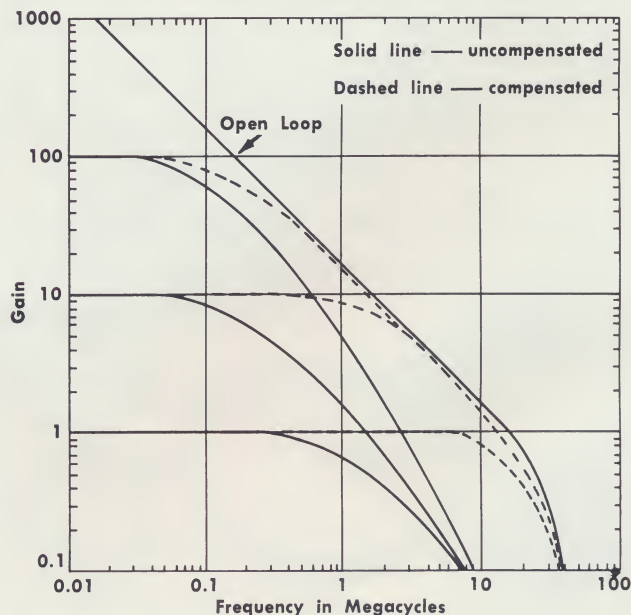
The Compensating Adapter extends the frequency performance of the Type O Unit operational amplifiers.

The adapter compensates for stray capacitance associated with the internal Z_i and Z_f resistors, providing an adjustment for optimum HF response.

CHARACTERISTICS

(Type O Unit and Adapter)

TYPICAL FREQUENCY RESPONSE of the Type O unit with and without the Compensating Adapter:



ACCESSORIES

INPUT RESISTANCE is 0.01 to 1 meg, determined by Z_i Selector position.

INPUT CAPACITANCE is approximately 40 to 450 pf, depending on the Z_f Selector position. (Maximum at X100 gain)

MAXIMUM INPUT VOLTAGE is 400 v dc or 150 v rms.*

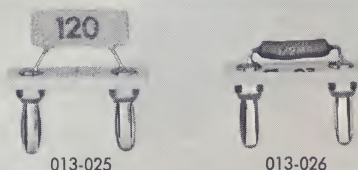
MAXIMUM OUTPUT VOLTAGE is ± 50 v peak.

MAXIMUM TEMPERATURE is $+55^\circ$ C.

COMPENSATING ADAPTER (013-081) \$35

*Voltage derating is necessary for frequencies above 1 Mc.

TYPE Q PLUG-IN UNIT RESISTOR BOARDS



120-OHM PLUG-IN RESISTOR BOARD

Order Part Number 013-025 \$2.25

150 K-OHM PLUG-IN RESISTOR BOARD

Order Part Number 013-026 \$2.25

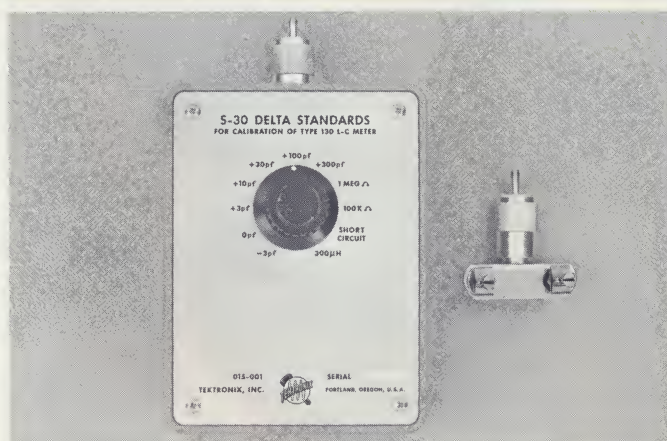
TYPE R PLUG-IN UNIT PLATE WIRED ASSEMBLIES



PLATE WIRED "R" ASSEMBLIES for various transistor checks

Description	Part No.	Price
Grounded emitter socket	386-852	\$5.00
Grounded base socket	386-853	5.00
Grounded emitter power socket	386-854	6.00
Grounded base power socket	386-855	6.00
Grounded emitter adapter	386-856	6.00
Grounded base adapter	386-857	6.00

TYPE 130 L-C METER ACCESSORIES



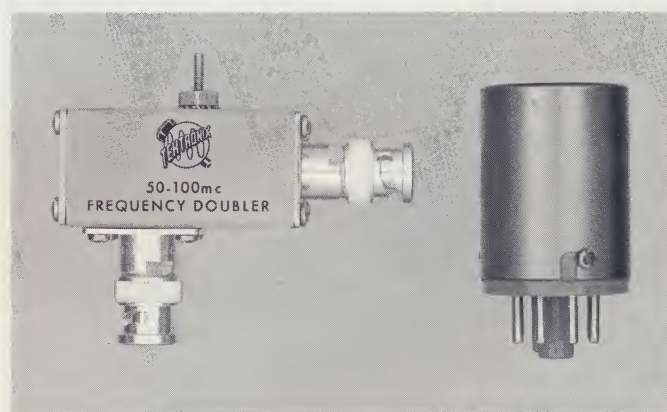
DELTA STANDARDS—For calibration of the Type 130 L-C Meter. The unit provides accurate steps of capacitance and inductance, selectable by a rotary selector switch. Values of the capacitance steps correspond to the full-scale adjustments required on the five scales of the Type 130. Two resistors of similar capacitance, values of 1 megohm and 0.1 megohm, are provided for the resistance compensation adjustment. A 300 μ h standard permits proper adjustments of the inductance ranges.

Order Part Number 015-001 \$40

PRODUCTION TEST FIXTURE—For use with the Type 130 L-C Meter. Speeds sorting and testing of capacitors and inductors.

Order Part Number 013-001 \$5

TYPE 180-181 ACCESSORIES



FREQUENCY DOUBLER for the Type 180 or 180A Time Mark Generator doubles the 50 Mc output to 100 Mc. Particularly useful for calibrating Type 580-Series Oscilloscopes.

Order Part Number (015-056 BNC) \$29.50
(015-013 UHF) 29.50

TYPE 181/RM181 CRYSTAL OVEN—A 1-Mc crystal mounted in a temperature-stabilized oven. Frequency adjustable to zero beat with W.W.V. Accuracy is 0.001% and frequency stability is 3 parts per million over a 24-hour period.

Order Part Number 158-007 \$27

ACCESSORIES

TYPE 310/310A FAN BASE



TYPE 310/310A FAN BASE provides filtered forced-air ventilation to reduce operating temperature when the instrument is used continuously for prolonged periods of time or in a hot or limited-ventilation area. The Fan Base tilts the oscilloscope to a convenient viewing angle.

For use on 105-125 v, 50 to 60 cps only:
Order Part Number 016-012 \$50

For use on 210-250 v, 50 to 60 cps only:
Order Part Number 016-013 \$50

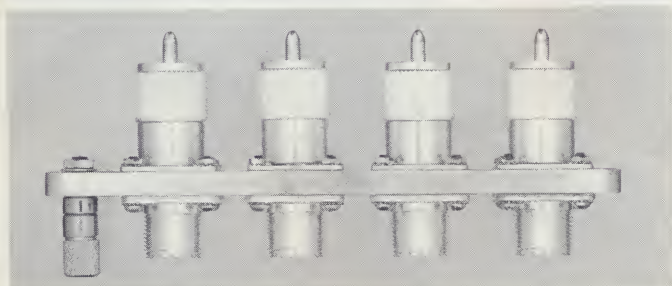
TYPE 321-321A BATTERIES



NiCd CELLS—3½ A.H. 'D' size, rechargeable, for Type 321 Portable Oscilloscope.

Order 10—(Part Number 146-005), \$7.00 each ... Total \$70.00

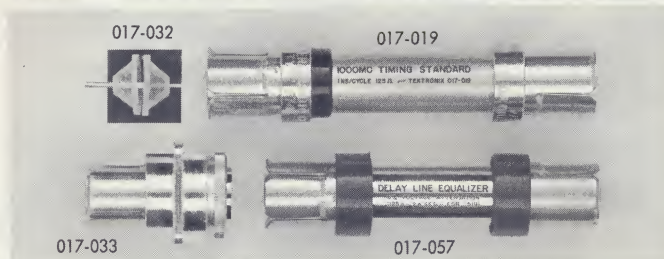
TYPE 507 GROUND CONNECTOR



For placing Type 507 Oscilloscope connectors on a common ground.

Order Part Number 013-011 \$21.50

TYPE 519 ACCESSORIES



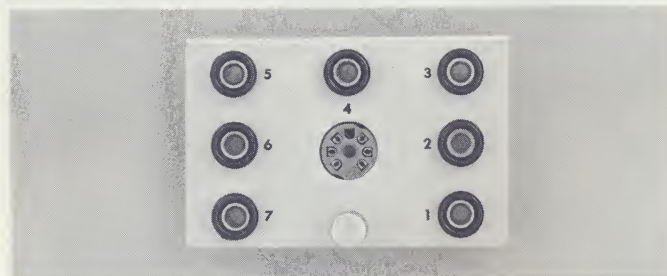
Description	Part No.	Price
1000 Mc Timing Standard	017-019	\$35.00
Double Button Contact Assembly	017-032	2.25
Connector Panel Assembly	017-033	7.00
Delay Line Equalizer	017-057	10.00

125 Ω ACCESSORIES

Other than those listed under Oscilloscope Input Adapters, Attenuators and Terminations.

Description	Part No.	Price
Attenuator 1.4:1 for 125 Ω Connector	017-009	\$25.00
Component Insertion Unit	017-013	10.00
Coupling Capacitor	017-018	10.75
Cable Connector Spare Kit	017-035	7.00
90° Elbow Assembly	017-043	15.00
1 nsec delay cable, RG63/U	017-507	16.50
2 nsec delay cable, RG63/U	017-508	16.00
5 nsec delay cable, RG63/U	017-509	16.50
10 nsec delay cable, RG63/U	017-510	17.50
20 nsec delay cable, RG63/U	017-511	24.00

TYPE 570 ADAPTER PLATES



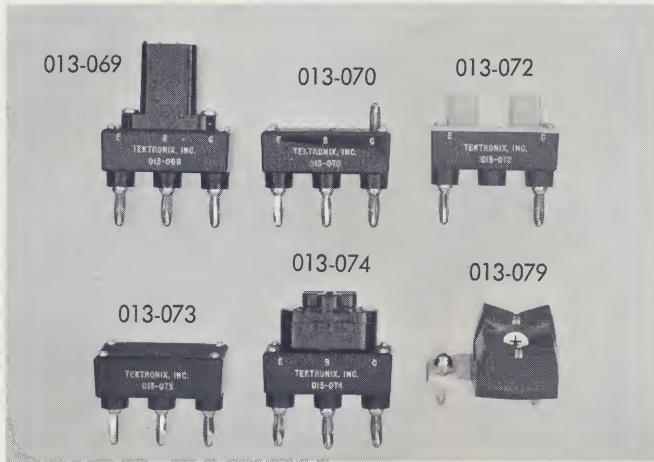
With Jacks Installed

Description	Part No.	Price
7-pin adapter plate	016-004	\$10.00
8-pin adapter plate	016-005	10.00
9-pin adapter plate	016-006	10.00
Blank adapter plate	016-007	5.00
13-pin Nixie* Base	016-040	12.50
5-pin Nuvistor Twelvar Base	016-041	10.00
7-pin Nuvistor Twelvar Base	016-042	10.00
12-pin Compactron duodecar Base	016-043	12.50
9-pin Novar Base	016-044	10.00

*Burroughs registered trademark.

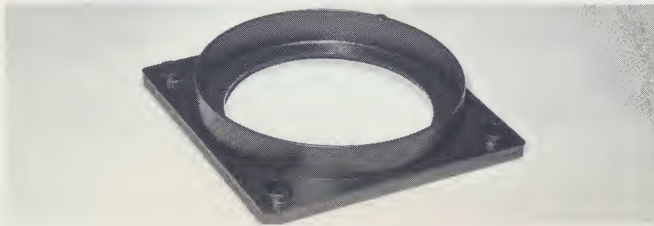
ACCESSORIES

TYPE 575 TRANSISTOR AND DIODE ADAPTERS



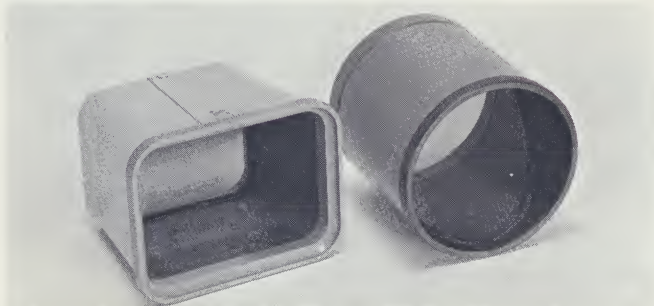
Description	Part No.	Price
3-terminal (for wire lead transistors)	013-069	\$5.00
3-terminal (for 2-pin base power transistors)	013-070	5.00
Diode Test Jig (Tektronix)	013-072	5.00
Diode Test Jig (Daymarc)	013-079	25.00
Blank Adapter Box	013-073	4.00
Power Transistor Adapter (for transistors with hook leads)	013-074	5.00

VIEWING ACCESSORIES



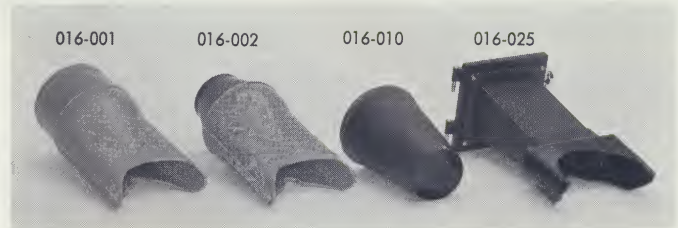
BEZEL—For mounting cameras, other than Tektronix types, on Tektronix 5" Oscilloscopes. Dimensions— $5\frac{7}{8}$ " square; ring $\frac{7}{8}$ " deep, diameter $5\frac{5}{8}$ " outside, $5\frac{1}{8}$ " inside. Die-cast construction.

Order Part Number 014-011 \$4.50



POLARIZED VIEWERS—For Tektronix 5" Oscilloscopes. The viewers reduce troublesome reflections and glare under high ambient-light conditions.

RECTANGULAR VIEWER (016-039) \$10
PLASTIC ROUND VIEWER (016-053) 10



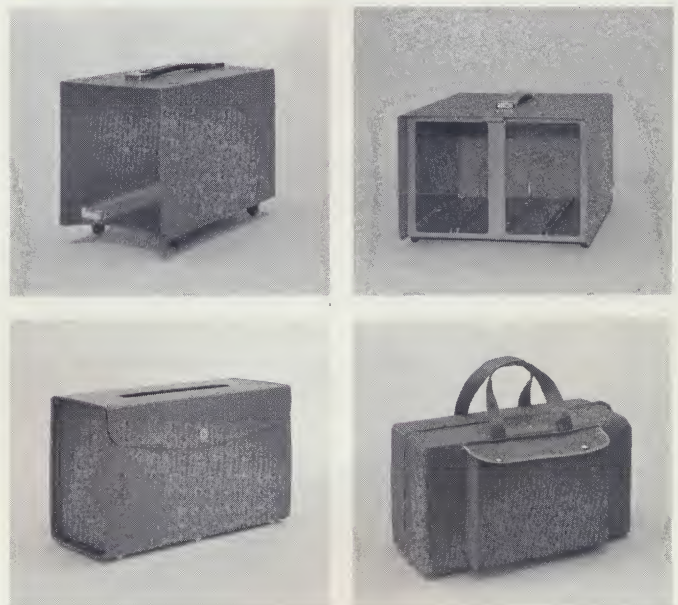
VIEWING HOOD—For Tektronix 5" Oscilloscopes. Includes molded rubber eyepiece and separate tubular light shield.
Order Part Number 016-001 \$5.00

VIEWING HOOD—For Tektronix 3" Oscilloscopes except Type 321 below S/N 3210. Includes molded rubber eyepiece and separate tubular light shield.
Order Part Number 016-002 \$5.00

COLLAPSIBLE VIEWING HOOD—For Tektronix 3" Oscilloscopes except Type 321 below S/N 3210. It is made of black acrylic plastic with handy fastening arrangement.
Order Part Number 016-010 \$3.50

VIEWING HOOD—For Tektronix Type 519 Oscilloscope.
Order Part Number 016-025 \$36.50

CARRYING CASES



CARRYING CASE FOR A TO Z PLUG-IN UNITS—Provides protection for 1 out-of-oscilloscope plug-in unit.
Order Part Number 437-065 \$20

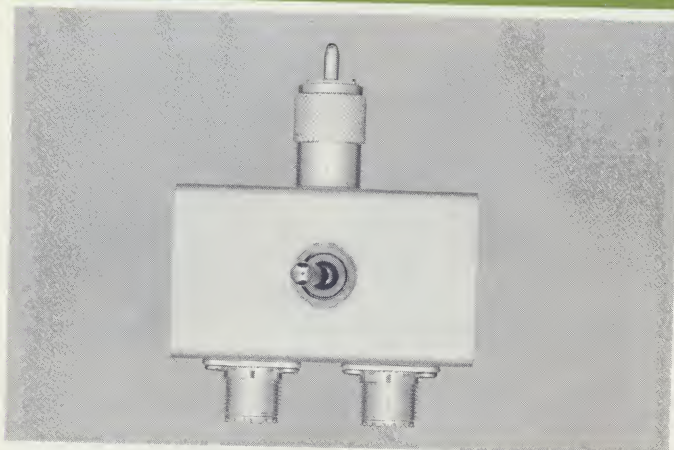
CARRYING CASE FOR 2, 3, 10 and 11 SERIES PLUG-IN UNITS—accommodates two plug-in units.
Order Part Number 437-070 \$20

CARRYING CASE—For Type 321 Portable Oscilloscope.
Order Part Number 016-026 \$30

CARRYING CASE—For Type 181 Generator or Type 310A Oscilloscope. Made of sturdy, turquoise-colored canvas.
Order Part Number 016-028 \$17.65

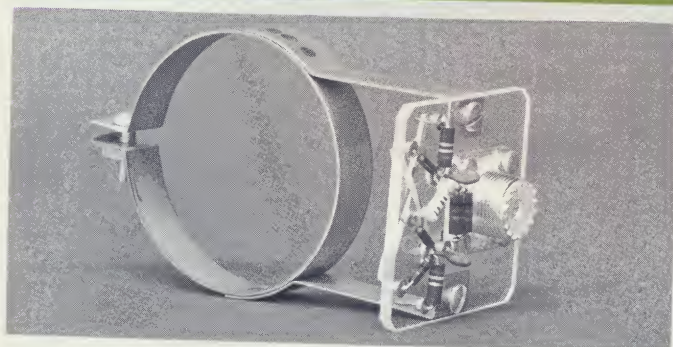
ACCESSORIES

DUAL-INPUT SWITCHING ASSEMBLY



DUAL-INPUT SWITCHING COAX PLUG ASSEMBLY allows two signals to be alternately switched for single input viewing. The signal input connectors are two female UHF connectors. The oscilloscope input connector is one male UHF connector. Order Part Number 013-046 \$7

DEFLECTION PLATE CONNECTOR

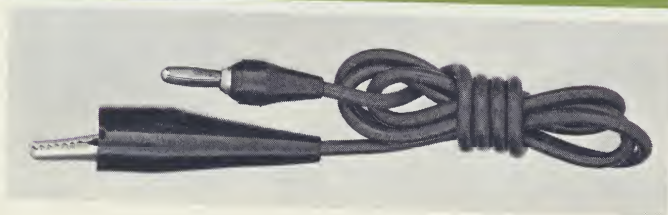


The connector can be used with Types 530, 540, 530A, and 540A-Series Oscilloscopes. It provides a convenient means of making a connection directly to the cathode-ray tube vertical deflection plates. It is designed for use with high-frequency, fast-rise pulses or transient signals. The function of the vertical position control of the oscilloscope is retained. The connector is designed for use with 52-ohm cables. The connector is not recommended for use with frequencies below 8 kc or pulses with correspondingly slow risetimes.

For instruments with serial numbers 5000 and below, Order Part Number 013-006 \$10

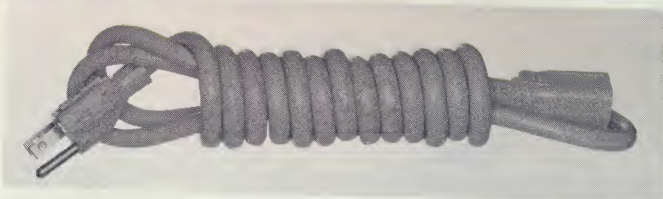
For instruments with serial numbers 5001 and above, Order Part Number 013-007 \$10

MISCELLANEOUS CORDS AND LEADS



Description	Length (Inches)	Connectors	Part No.	Price
Output Lead, Black	36	Banana Plug to Alligator Clip	012-014	\$2.50
Output Lead, Red			012-015	2.50
Patch Cord, Black	6	Banana Plug-Jack (Both Ends)	012-023	1.15
Patch Cord, Red			012-024	1.15
100-Ω Suppressor Cord		Banana Plug (Both Ends)	012-025	3.00
300-Ω Suppressor Cord			012-026	3.00
1000-Ω Suppressor Cord			012-027	3.00
Patch Cord, Black			012-028	2.00
Patch Cord, Red			012-029	2.00
Patch Cord, Red			012-031	1.20
Patch Cord, Black			012-039	1.20
Master-Slave Cord-Type N Unit	12	Tini-Plug (Both Ends)	012-055	3.75

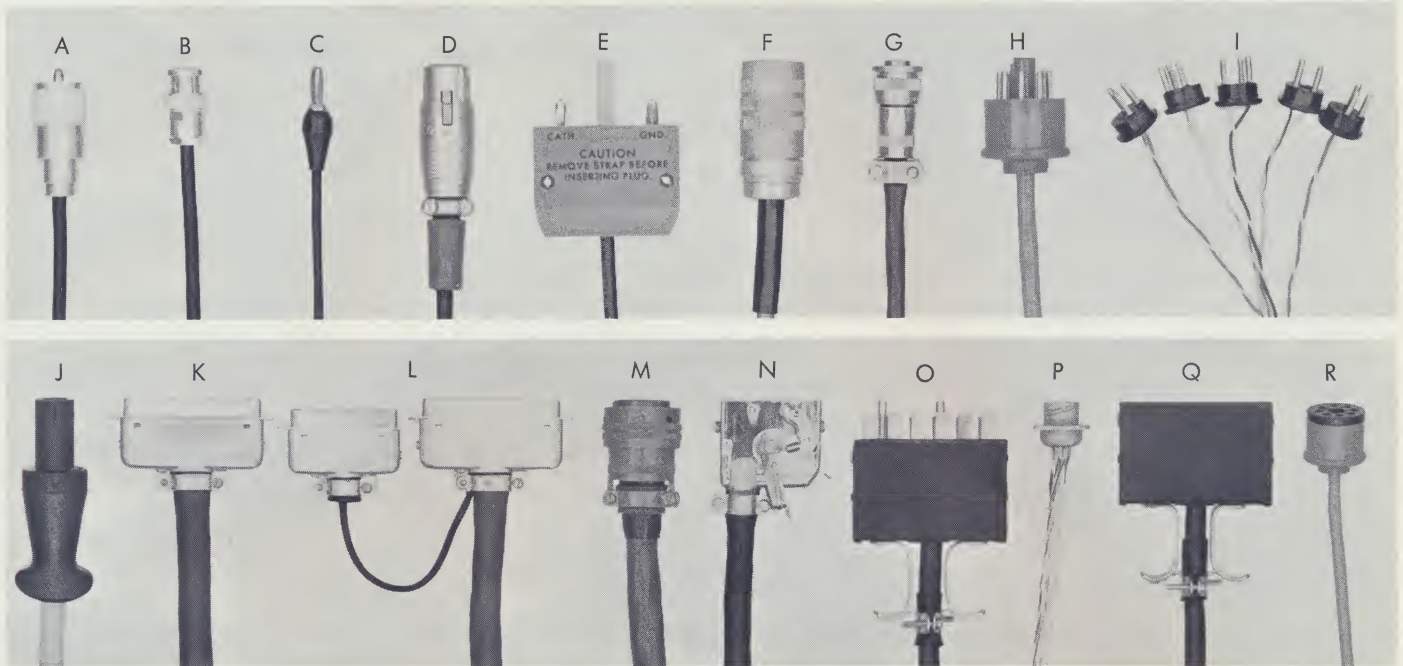
POWER CORDS



Connectors	Conductors		Length (Feet)	Part No.	Price
	Number	Gauge			
Male Plug to Female Plug	2	16	8	161-004	\$2.10
	3	16	8	161-010	2.40
	3	16	20 in.	161-014	1.40
	3	18	8	161-019	5.00
Male Plug (one end only)	3	18	8	161-017	1.95
	3	18	10	161-006	6.10
	2	18	8	161-002	1.60
Male Plug to Right Angle Female Plug	2	18	8	161-007	3.70
	3	18	8	161-022	3.60
Male Plug to Special Plug (ac cord for Type 321)	3	20	8	161-015	3.20
Male Plug to Special Plug (dc cord for Type 321)	3	20	8	161-016	2.70
Male Plug to Special A Connector	3	16	8	161-005	3.25

ACCESSORIES

MISCELLANEOUS CABLES



INSTRUMENT TYPE	FUNCTION	LENGTH (INCHES)	IMPEDANCE (OHMS)	CONNECTOR		PART NUMBER	PRICE
				TYPE	FIG.		
GENERAL	Output	42	50	UHF	A	012-001	\$ 6.50
GENERAL	Output	42	50	BNC	B	012-057	4.00
GENERAL	Output	42	75	UHF	A	012-002	7.50
GENERAL	Output	42	75	BNC	B	012-074	6.50
GENERAL	Output	42	93	UHF	A	012-003	6.50
GENERAL	Output	42	93	BNC	B	012-075	4.00
GENERAL	Output-Terminated with 93 Ω Resistor	42	93	UHF	A	012-005	6.50
GENERAL	Output-Terminated with Variable Attenuator	42	93	UHF	A	012-004	13.50
GENERAL	Output	42	170	UHF	A	012-006	7.50
GENERAL	Horizontal Input	18	—	Banana	C	012-054	2.50
GENERAL	Adapter Cable	5	—	2-Banana to UHF	A-C	012-059	3.50
E	Input	30	—	Special 3-pin	D	012-022	6.00
N	CRT Cathode Unblanking	62	—	Special 2-Banana to BNC	B-E	012-052	11.00
N	Horizontal Input	30	—	Banana to UHF	A-C	012-053	7.50
Q	Input	15 ft.	—	Special 9-pin	F	012-040	12.00
2A61	Input	60	—	Special 4-pin	G	012-072	10.00
122	Battery Cable	7 ft.	—	Octal to (5) 3-pin	H-I	012-009	15.00
127	Input	60	170	UHF	A	012-034	7.50
160, 360	Inter-connecting	20	—	Octal	H-R	012-016	7.00
161, 162, 163	Inter-connecting	10	—	Octal	H	012-017	5.00
175	Test Cable	30	—	Banana	C	012-056	1.75
175	Test Cable-Black Plug	42	—	Special Plug	J	012-044	9.00
175	Test Cable-Red Plug	42	—	Special Plug	J	012-043	9.00
175	Socket Adapter	—	—	Special 9-pin	P	012-045	11.25
262	6R1 Inter-connecting	6 ft.	—	36-50 Pin Ribbon	L-M	012-081	60.00
262	262 Inter-connecting	48	—	Special 41-pin	K	012-082	60.00
507, 517A**	Inter-connecting	30	—	50-pin Ribbon	N	012-032	27.00
551, 555	Inter-connecting	72	—	16-pin Ribbon	N	012-051	28.40
517/517A*	Inter-connecting	30	—	12-pin Ribbon	O-Q	012-012	20.00

* Serial Number 101-1739

** Serial Number 1740 and up.

ACCESSORIES

STANDARD GRATICULES

INSTRUMENT TYPE*	GRATICULE RULING			PART NO.	PRICE
	DIVISION	VERTICAL	HORIZONTAL		
310, 310A, 360	1/4"	8	10	331-027	\$1.75
316		8	10	331-042	1.75
317		8	10	331-095 (adjustable) 331-042 (not adjustable)	1.75
321, 321A		6	10	331-055	1.75
502, 502A, 565	1 cm	10	10	331-047	2.90
503, 504, 560, 561, 661		8	10	331-056	2.90
507, 515, 515A, 516, 531 531A, 533, 533A, 535, 535A		6	10	331-037 (adjustable) 331-016 (not adjustable)	2.90
517 (SN 101-925)		4	8	331-008	8.00
517A (SN 926-957)		4	8	331-030	8.00
517A (SN 958-up)		4	8	331-033	2.90
519		2	6	331-065	8.00
524, 524AD		6	10	331-006	2.90
525	Marked in Percentage for Modulation Measurement			331-035	3.45
526	Marked in Degrees for Color TV Vector Analysis			331-104	8.00
527	Special	7	10	331-069	3.45
RM527		7	10	331-068	3.45
532	1 cm	8	10	331-026	2.90
536, 570, 575	5/16"	10	10	331-028	2.90
541, 541A, 543, 543A, 545 545A, 581, 581A, 585, 585A	1 cm	4	10	331-034 (adjustable)	2.90
551, 555		6	10	331-045	2.90
RM561, 567		8	10	331-076	2.90
564		8	10	331-097	2.30

* For both cabinet and rack-mount instruments unless rack-mount version is listed.

SPECIAL PURPOSE GRATICULES

INSTRUMENT TYPE*	GRATICULE RULING			PART NO.	PRICE
	DIVISION	VERTICAL	HORIZONTAL		
524, 524AD	1/8" x 1 cm	17	10	331-009	\$3.45
524, 524AD, 525	Color TV Bar Dimensions			331-040	4.05
527	Non-composite IRE			331-079	3.45
527	Marked in Percentage for Video Modulation Measurements			331-080	3.45
RM527	Non-Composite IRE			331-077	3.45
RM527	Marked in Percentage for Video Modulation Measurements			331-078	3.45
531, 531A, 533 533A, 535, 535A MOD108A	.85 cm	6	10	331-051	2.90
536	For Phase Angle Measurements			331-057	3.45
541, 541A, 543 543A, 545, 545A MOD 108A	.85 cm	4	10	331-052	2.90
551 MOD 108A	.85 cm	6	10	331-053	2.90
561A MOD 210C	1 cm	6	10	331-090	2.30

* For both cabinet and rack-mount instruments unless rack-mount version is listed.

ACCESSORIES

PLEXIGLASS LIGHT FILTERS

Filters for Tektronix oscilloscopes using 3" crt's			
Instrument	Color	Part No.	Price
Type 315D	Green	378-505	\$.50
	Amber	378-506	.50
	Blue	378-507	.50
	Yellow	378-508	.50
Type 321	Green	378-521	.50
	Amber	378-524	1.10
	Blue	378-523	1.15
General*	Green	378-509	.50
	Amber	378-511	.50
	Blue	378-510	.50
	Yellow	378-512	.50

* For all 3" oscilloscopes not listed.

Filters for Tektronix oscilloscopes using 5" crt's			
Instrument	Color	Part No.	Price
Types 527, RM527, 561	Green	378-525	\$1.50
	Amber	378-528	1.50
	Blue	378-527	1.50
General*	Green	378-514	.90
	Amber	378-516	.90
	Blue	378-515	.90

* For all 5" oscilloscopes not listed.

Filters for Tektronix oscilloscopes using rectangular crt's

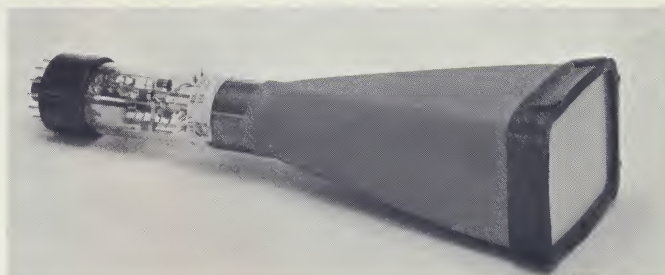
Instrument	Color	Part No.	Price
Type 561A	Green	378-534	\$.90
	Amber	378-536	.90
	Blue	378-535	.90

UNSCRIBED GRATICULES

Instrument Type*	Part No.	Price
310, 310A, 316, 317, 360	386-395	\$1.25
502, 502A, 517 (SN 926-957), 524, 524AD, 525, 526, 532, 536, 551, 555, 570, 575	331-093	1.45
503, 504, 560, 561, 661	331-105	1.45
507, 515, 515A, 516, 517A (SN 957-up), 581, 581A, 585, 585A	386-451	1.45
527, RM561, 567	331-084	2.30
531, 531A, 533, 533A, 535, 535A, 541, 541A, 543, 543A 545, 545A	386-451 (adjustable)	1.45
	331-093 (not adjustable)	1.45
561A, RM561A, 564 (Implosion shield for ceramic type crt only.)	337-539	1.45

* For both cabinet and rack-mount instruments unless rack-mount version is listed.

DIRECT REPLACEMENT CATHODE-RAY TUBES



All Tektronix direct replacement crt's are under a new numbering system that provides more flexibility for future designations of the crt's.

Example T5610-31-1
tube type - phosphor - internal graticule design variation

In the following list, phosphor designation is eliminated in order to avoid much repetition. Replacement crt's are normally available with phosphors P1, 2, 7, 11, or 31. It will be necessary to specify the phosphor desired when ordering. Other phosphors are available on special order. Consult your Tektronix Field Engineer for particulars.

INSTRUMENT*	CRT TYPE	PRICE**
310, 310A, 360	T3100	\$ 45.00
316	T3160	80.00
317	T3170	90.00
321	T3210	85.00
321A	T3211	85.00
502	T5020	125.00
502A	T5021	125.00
503, 504, 560, 561, 661	T5030	60.00
506	T5033	80.00
507	T5070	125.00
515, 515A, 516	T0550	60.00
517, 517A	T0541	110.00
519	T5191	1000.00
524, 524AD	5ABP1	32.65
525	T0520	60.00
526	T5260	99.50
527	T5270	80.00
531, 535	T0510	75.00
531A, 533, 533A, 535A	T5330	75.00
532, 570, 575	T0520	60.00
536	T5360	75.00
541, 545	T0540	75.00
541A, 543, 543A, 545A	T5430	75.00
543B, 544, 545B, 546, 547	T5470	120.00
551	T5511	180.00
555	T5550	225.00
RM561	T5032	60.00
561A, 567	T5610	60.00
564	T5640	450.00
565	T5650	175.00
581, 581A, 585, 585A	T5810	175.00
647	T6470	250.00

* Both conventional and rackmount instruments unless noted.

** Prices slightly higher for internal graticule option where available.

U.S. Sales Prices f.o.b. Beaverton, Oregon
Please refer to Terms and Shipment, General Information page.



UNITED STATES AND CANADA FIELD ENGINEERING OFFICES

TEKTRONIX, INC.

Tektronix, Inc., an Oregon Corporation, Home Office & Factory, P. O. Box 500, Beaverton, Oregon 97005

Telephone: (503) MITCHELL 4-0161 TWX—503-291-6805 Telex: 036-691 Cable: TEKTRONIX

FIELD ENGINEERING OFFICES

- ALABAMA** Huntsville... 3322 South Memorial Parkway, Suite 6, Huntsville... Telex 05-9422.. Telephone: (205)881-2912
- ARIZONA** Phoenix... 7045 E. Camelback Road, Scottsdale... Telex 061-701 Telephone: (602)946-4273
Tucson Area: Enterprise 383
- CALIFORNIA** San Diego... 3045 Rosecrans Street, San Diego 10... Telex 069-525 Telephone: (714)222-0384
Los Angeles Area
• Orange... 1722 E. Rose Avenue, Orange... Telex 06-78812 Telephone: (714)633-3450
Pasadena... 1194 East Walnut Street, Pasadena... TWX: 213-449-1151... Telex 06-74397
Telephone (213)449-2164
From Los Angeles telephones call: 681-0201
• Van Nuys... 16930 Sherman Way, Van Nuys... Telex 06-74396 Telephone: (213)987-2600
From Los Angeles telephones: 873-6868
Island of Oahu, Hawaii Area: Enterprise 5-700
- San Francisco
Bay Area
Walnut Creek... 1709 Mt. Diablo Blvd., Walnut Creek... Telex 033-644 Telephone: (415) 935-6101
From Oakland, Berkeley, Richmond, Albany and San Leandro: 254-5353
- COLORADO** • Palo Alto... 3944 Fabian Way, Palo Alto... Telex 033-911 Telephone: (415)326-8500
Denver... 2120 South Ash Street, Denver 22... Telex 045-662 Telephone: (303)757-1249
Salt Lake Area: Zenith 381
- FLORIDA** • Orlando... 205 East Colonial Drive, Orlando... Telex 056-515 Telephone: (305)GARDen 5-3483
(also serves Puerto Rico)
- GEORGIA** • Atlanta... 467 Armour Circle, N.E., Atlanta 24... Telex 05-42233 Telephone: (404)873-5708
- ILLINOIS** • Chicago... 400 Higgins Road, Park Ridge... Telex 02-53374 Telephone: (312)825-6666
- INDIANA** Indianapolis... 3937 North Keystone Avenue, Indianapolis 5... Telex 027-348 .. Telephone: (317)LIBerty 6-2408
- KANSAS** Kansas City... 5845 Horton, Suite 6, Mission... Telex 04-2321 Telephone: (913)HEDrick 2-1003
St. Louis Area: Enterprise 6510
- MARYLAND** • Baltimore... 1045 Taylor Avenue, Towson 4... Telex 087-804 Telephone: (301)825-9000
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